

## CURRICULUM VITAE

**Name:** Rogier Arnold Windhorst

**Address:** School of Earth & Space Exploration  
Arizona State University, Box 871404  
450 E. Tyler Mall, PSF-686 Office: 550 E. Tyler Mall, GWC-508  
Tempe, AZ 85287-1404, USA

**Tel.:** +1-480-965-7143 or 9416 (office); +1-480-965-6362 (FAX); or +1-480-540-0816 (cell)

**E-mail:** Rogier.Windhorst@asu.edu

**WWW:** <http://sese.asu.edu/> <http://www.asu.edu/clas/hst/www/midUV.html>  
<http://hubblesite.org/news/2011/04> <http://hubblesite.org/news/2010/01>  
<http://hubblesite.org/news/2004/28> <http://hubblesite.org/news/1996/29>

**Education:**

June 6, 1984:	University of Leiden	Ph.D. in Astronomy
Sep. 26, 1979:	University of Leiden	M.Sc. in Astronomy and Physics
Feb. 10, 1976:	University of Leiden	B.Sc. in Astronomy, Physics and Mathematics

**Professional Experience:**

2008-present:	Arizona State University	Co-Director, ASU Cosmology Initiative
2008-present:	Arizona State University	Foundation Professor of Astrophysics
2006-present:	Arizona State University	Regents' Professor of Astronomy
1997-present:	Arizona State University	Professor of Physics and Astronomy
1994-2000:	Arizona State University	Associate Chair, Department of Physics and Astronomy
1987-present:	University of Arizona	Adjunct Astronomer, Steward Observatory
1991-1997:	Arizona State University	Associate Professor of Physics and Astronomy
1987-1991:	Arizona State University	Assistant Professor of Physics and Astronomy
1986-1987:	California Institute of Technology (Pasadena)	Project Scientist in the Space Telescope Wide Field/ Planetary Camera Instrument Definition Team
1984-1986:	Carnegie Observatory (Pasadena)	Carnegie Postdoctoral Research Fellow
1979-1984:	University of Leiden, (the Netherlands)	Ph.D. Research Assistant employed by the Netherlands Foundation for the Advancement of Pure Research (ZWO)

**Memberships:**

1988-present:	International Astronomical Union	Comm. 9 (instrum.); 28 (galaxies), 40 (radio); 47 (cosmol.)
1984-present:	American Astronomical Society	(USA)
1984-present:	Astronomical Soc. of the Pacific	(USA)
1980-present:	Royal Astronomical Society	(United Kingdom)
1979-present:	Nederlandse Astronomen Club	(The Netherlands)

**Honors/Awards:**

1984-1986:	Carnegie Fellow	Carnegie Institution of Washington
1989-1993:	Alfred P. Sloan Research Fellow	Alfred P. Sloan Foundation
2002-2021:	Interdisciplinary Scientist for the	James Webb Space Telescope (NASA/JWST)
2003:	Outstanding Teacher Award	Department of Physics and Astronomy, ASU
2006:	Regents' Professor of Astronomy	Arizona State University
2006:	Distinguished Faculty Award	College of Liberal Arts and Sciences, ASU
2008:	Foundation Professor	Arizona State University
2014:	Honors College Faculty	Arizona State University

**Languages:**

Dutch	(Reading, speaking, writing)
English	(Reading, speaking, writing)
French, German	(Reading, speaking)
Latin, Greek	(Reading)
Fortran, Html	(Reading, writing)

FUNDED RESEARCH AND PATENTS

External funding of Windhorst's research projects at ASU

Source/Grant No.	\$ Amount <sup>1</sup>	PI/Status:	Period(% effort) <sup>2</sup>	Project title
<i>Grants Funded between FY89≤FY≤01:</i>				
AAS/Travel	2,575	Windhorst	03/89-12/89(20)	Morphological evolution of gE's
NSF/Ast8821016	67,200	Windhorst	04/89-09/92(40)	Studies of faint radio galaxies
Sloan/BR-2848	25,000	Windhorst	09/89-09/93(10)	Alfred P. Sloan Research Fellowship
IUE/Nag5-1172	10,900	Keel	07/89-09/90(30)	UV spectra of nearby/high-z radio galaxies
IUE/Nag5-1465	4,650	Keel	10/90-09/91(20)	UV spectra of nearby/high-z radio galaxies
Rosat/Nag-1455	41,970	Windhorst	10/90-09/91(30)	The US ROSAT Deep X-ray Survey Part I
HST/GO-2405	142,876	Windhorst	10/91-09/92(30)	Morphology of gE radio galaxies (Cycle 1)
HST/GO-2684	44,811	Griffiths	10/91-09/92(20)	The HST Medium Deep Survey (Cycle 1)
HST/GO-2684	88,819	Griffiths	10/92-09/93(40)	The HST Medium Deep Survey (Cycle 2)
HST/GO-3545	107,523	Windhorst	10/92-06/94(30)	UV-spectral evol. of gE's to z=0.5 (Cy 2)
Rosat/Nag-2322	15,000	Windhorst	10/93-06/94(05)	The US ROSAT Deep X-ray Survey Part II
HST/AR-4936	30,677	Windhorst	10/93-06/94(10)	Light-profiles of high z Archival gE's
HST/GO-2684	105,395	Griffiths	10/93-06/94(50)	The HST Medium Deep Survey (Cycle 3)
NSF/Int9301805	9,281	Burstein	10/93-06/96(05)	Beijing-Arizona Color (BATC) sky-survey
HST/GO-5308	83,504	Windhorst	07/94-06/95(45)	PC imaging of a collapsing z=2.4 galaxy
HST/GO-2684	97,385	Griffiths	07/94-06/95(50)	The HST Medium Deep Survey (Cycle 4)
HST/GO-5985	56,711	Windhorst	07/95-06/96(50)	WFPC2 imaging of a z=2.4 galaxy cluster
HST/GO-2684	82,409	Griffiths	07/95-06/96(45)	The HST Medium Deep Survey (Cycle 5)
HST/AR-6385	39,039	Odehahn	07/96-06/97(15)	ANN classification of WFPC2 Arch. images
HST/AR-6948	11,821	Kellermann	07/96-06/97(10)	VLA Observations of the Hubble Deep Field
HST/GO-6609	68,652	Windhorst	07/96-06/97(45)	The WFPC2 B-Band parallel survey
HST/GO-6610	33,799	Windhorst	07/96-06/97(30)	WFPC2 Ly-alpha imaging of z=2.4 clusters
HST/ED-90113	12,050	Windhorst	07/97-06/98(20)	Astronomy Education at Jordan Elt. School
NASA/Nag-6740	50,152	Windhorst	10/97-06/98(30)	A systematic study of galaxy evolution
HST/AR-7534	24,890	Odehahn	07/97-06/98(20)	Fourier analysis of galaxy asymmetry vs z
HST/GO-7280	49,007	Peacock	07/97-06/98(30)	NIC2 imaging of the oldest z=1.5 galaxies
HST/GO-7452	66,657	Windhorst	07/98-06/99(50)	NIC2 imaging of radio sources with R>29
HST/GO-7459	33,920	Keel	07/98-06/99(20)	Age and content of a z=2.4 galaxy cluster
NSF/Ast9802963	35,492	Windhorst	07/98-06/99(20)	Medium-band imaging of faint galaxies
HST/AR-8388	20,046	Windhorst	07/98-06/99(10)	Analysis of compact Ly-alpha galaxies at z=2-3
HST/AR-8357	49,217	Waddington	07/99-06/00(25)	Galaxy evol. through restframe morphology
HST/HF-1123	81,425	Windhorst <sup>3</sup>	07/99-06/00(05)	Hubble Fellowship at ASU for Eric Richards
HST/GO-8203	68,748	Odehahn	07/99-06/00(10)	Morphological Luminosity Function of A868
HST/GO-8260	107,845	Windhorst	07/99-06/00(60)	A STIS search for the H-edge of the Universe
HST/AR-8765	32,682	Chiarenza	07/00-06/01(10)	Mid-UV structure of nearby early-type gxys
HST/AR-8768	49,796	Windhorst	07/00-06/01(20)	The morphological mix of faint radio sources
HST/GO-8645	99,797	Windhorst	07/00-06/01(70)	Mid-UV morphology survey of nearby galaxies
Sub-total	1,951,721	<i>(Grants Funded for FY≤01)</i>		

*(Continued on next page)*

Notes:

<sup>1</sup> Award amounts are totals received or requested by my group at ASU, and reflect ASU's part of the project only.

<sup>2</sup> Percentage effort is fraction of research time spent by Windhorst on each funded project, as active in each FY.

<sup>3</sup> Administrative PI for this project at ASU is Rogier Windhorst. Fellowship was for Eric Richards.

External funding of Windhorst's research projects at ASU (continued)

Source/Grant No.	\$ Amount <sup>1</sup>	PI/ <i>Status</i> :	Period(% effort) <sup>2</sup>	Project title
Sub-total	1,951,721	<i>Grants Funded for FY<sub>≤</sub>01:</i>		
HST/GO-9066	117,190	Windhorst	07/01-06/03(30)	Closing in on the Hydrogen Reionization edge
HST/GO-9124	108,146	Windhorst	07/01-06/03(30)	Mid-UV morphology survey of nearby irregulars
HST/GO-9174	12,357	Chapman	07/01-06/02(40)	Optically faint radio sources and protogalaxies
AAS/Travel	1,430	Windhorst	07/02-06/03(05)	Natural Confusion Limit for NGST and SKA
NASA/JWST	1,290,390 <sup>3</sup>	Windhorst	07/02-06/14(35)	Interdisciplinary Scientist for the JWST
HST/GO-9824	80,535	Windhorst	07/03-06/04(25)	NICMOS SNAPshot survey of nearby galaxies
HST/AR-9955	22,497	Windhorst	07/03-06/04(15)	Archival zodiacal background: KBO constraints
HST/GO-9892	73,195	Jansen	07/03-06/04(05)	H $\alpha$ SNAPshots of Nearby Galaxies
HST/GO-9793	10,970	Malhotra	07/03-06/04(05)	Grism-ACS program for extragalactic science
HST/GO-9780	43,671	H.J. Yan	07/03-06/04(15)	Nic3 imaging of z $\approx$ 6 objects in a deep acs field
HST/AR-10298	48,733	Cohen	07/04-06/05(10)	Structural evol. of galaxies in GOODS & UDF
HST/GO-10180	130,996	Corbin	07/04-06/05(20)	ultracompact blue dwarfs: local galaxy form.
GALEX/1036	30,000	Windhorst	07/04-06/05(10)	GALEX Far-UV Imaging of Nearby Irregulars
Banner/ASU	69,489 <sup>4</sup>	Windhorst	07/04-06/05(10)	Classifying Neurons in Pre-Diabetic Patients
TGEN/ASU	15,660 <sup>5</sup>	Windhorst	07/04-06/05(10)	Classifying Cancer Cells in various Tumors
NASA/GSFC	34,913	Morse	07/04-06/05(05)	HORUS: High Orbit Ultraviolet-Visible Satellite
NASA/JFPF	72,000	Straughn	07/05-06/08(05)	Graduate Fellowship: Tracing Galaxy Assembly
HST/GO-10530	41,829	Malhotra	07/05-06/06(40)	Probing Evolution & Reionization by Spectra
Banner Health	19,865	Windhorst	07/05-06/06(20)	Classifying Neurons in Pre-Diabetic Patients
HST/ED14-975	50,173	Windhorst	01/06-06/07(30)	Cycle 14 EPO project: Hubble at Hyperspeed
HST/AR-10974	50,000	Ryan	07/06-06/07(25)	Unresolved Stellar Populations in the HUDF
HST/GO-10843	29,257	Corbin	07/06-06/07(10)	Deep imaging of extremely metal-poor galaxies
NASA/ADP	77,687	Cohen	07/07-06/08(15)	SEDs and Ages of Weak AGN Hosts
NASA/ADP	69,237	Windhorst	07/07-06/08(15)	Multi- $\lambda$ Study of Nearby Late-type Galaxies
HST/AR-11287	85,348	Windhorst	07/07-06/08(10)	Fundamental Limitations in Deep HST Fields
HST/AR-11258	179,935	Jansen	07/07-06/08(20)	Reprocessing all STIS Side-2 CCD data
DOE/C10581A	26,400	Windhorst	07/07-06/08(05)	Concept Study for JDEM DESTINY Mission
HST/DD-11359	291,487	Windhorst	07/08-06/12(35)	Wide Field Camera 3 Early Release Science
Banner Health	15,416	Herman	09/08-08/09(10)	Classifying Neurons in Pre-Diabetic Patients
NASA/ASMCS	105,335	Scowen	02/08-12/09(20)	The Star-Formation Observatory
HST/GO-11702	56,866	Yan	07/09-06/10(05)	High Redshift Galaxy WFC3 Parallel Survey
HST/AR-11772	59,131	Ryan	07/09-06/10(05)	The Epoch Dependent Major Merger Rate
NASA/ADP	328,277	Windhorst	12/09-06/12(15)	Seyfert/AGN—Starformation Connection
Swift/6090606	20,000	Windhorst	07/09-06/10(05)	A Census of Lyman- $\alpha$ Blobs at z=0.6
Sub-total	5,620,136	<i>(Grants Funded for FY<sub>≤</sub>10)</i> <i>(Continued on next page)</i>		

Notes:

- <sup>1</sup> Award amounts are totals received at or requested by my group at ASU, and reflect ASU's part of the project only.
- <sup>2</sup> Percentage effort is fraction of research time spent by Windhorst on each funded project, as active in each fiscal year. Approximately this fraction of time is spent on each project during the academic year, as well as during the summers.
- <sup>3</sup> This 13-year (FY01-FY14) NASA grant supports my work as Interdisciplinary Scientist for the Webb Telescope (JWST), to be launched in 2018. It comes in installments of about 100,000 \$ per FY, not including the ASU match.
- <sup>4</sup> This is the ASU part of a larger grant between Good Samaritan Hospital (Banner Health) and ASU.
- <sup>5</sup> This is the ASU part of a larger grant between the Translational Genomics Research Institute (TGEN) and ASU.

External funding of Windhorst's group research projects at ASU (continued)

Source/Grant No.	\$ Amount <sup>1</sup>	PI/ <i>Status</i> :	Period(% effort) <sup>2</sup>	Project title
Sub-total	5,620,136	<i>Grants Funded for FY<math>\leq</math>10:</i>		
HST/GO-12286	78,659	Yan	07/10-06/11(15)	High Redshift Galaxy WFC3 Parallel Survey
HST/GO-12332	58,379	Windhorst	07/10-06/11(15)	WFC3/IR Imaging of z=6 QSO Host Galaxies
HST/GO-12190	16,690	Koekemoer	07/11-06/12(10)	WFC3/IR Spectra of High-z Black Holes
HST/HF-51291	321,081	Jiang	07/11-06/14(10)	Hubble Fellowship at ASU for Dr. L. Jiang
JPL/1444481	39,641	Jiang	07/11-06/12(10)	Physical Properties of $5.7 \lesssim z \lesssim 7$ SDF galaxies
HST/GO-12616	104,455	Jiang	07/12-06/13(10)	Near-IR imaging of $z \gtrsim 6$ SDF galaxies
HST/GO-12500	34,350	Kaviraj	07/12-06/13(05)	WFC3 UV studies of SAURON galaxies
NASA/ADP	380,936	Jansen	07/12-12/13(10)	Spatially-resolved galaxy extinction Corrections
HST/GO-12613	69,353	Jahnke	07/12-06/13(10)	Do mergers trigger $z \simeq 2$ black-hole growth?
Swift/8110151	20,000	Windhorst	07/12-06/13(05)	Follow-up of Lyman- $\alpha$ Blobs at z=0.6
HST/GO-12332	42,870	Windhorst	07/12-06/13(05)	WFC3/IR imaging of z=6 QSO Host Galaxies II
HST/GO-12974	152,152	Mechtley	07/12-06/14(20)	WFC3/IR imaging of uv-faint z=6 quasar hosts
HST/AR-13241	124,221	Cohen	07/13-06/14(10)	Pixel-by-pixel Resolved Stellar Populations
HST/AR-13266	11,676	Ryan	07/13-06/14(30)	Distant Ultracool-Dwarfs from WISPS, 3DHST
HST/AR-13364	52,469	H. Kim	07/13-06/14(05)	ExtraGalactic UV Survey (Admin PI for H.Kim)
HST/EO-13241	58,199	Windhorst	01/14-09/15(10)	3D-IMAGINE: AST 100 Classes for the Blind
NASA/JWST	295,555 <sup>3</sup>	Windhorst	10/14-09/16(50)	Galaxy Assembly and First Light with JWST
HST/AR-13877	109,971	Windhorst	10/14-09/15(25)	Project ALCATRAZ: archival Ly-cont. studies
HST/GO-13779	57,603	Malhotra	10/14-09/15(15)	Faint Infrared Grism Survey (FIGS)
HST/GO-14262	93,398	Jahnke	10/15-09/16(20)	Fast growing $z \simeq 2$ black holes by mergers?
JWST/NIRCam	50,000	Windhorst	10/15-03/16(10)	JWST CryoVac 3 Shifts & Test Data Analysis
NASA/JWST	506,896 <sup>4</sup>	Windhorst	10/16-09/18(60)	Galaxy Assembly and First Light with JWST
HST/AR-14591	103,735	Windhorst	10/16-09/17(40)	Project ALCATRAZ2: Escaping LyC Radiation
Sub-total	8,402,425	(Grants Funded for FY $\leq$ 18 )		
		<i>Grants Funded or Approved for FY<math>\geq</math>18:</i>		
HST/GO-15137	76,227	Windhorst	10/17-09/18(15)	$z > 6$ Galaxies with Extremely Blue UV Slopes
HST/GO-15278	286,026	Jansen	10/17-09/19(20)	HST UVIS Imaging of JWST Time-Domain Field
NASA/JWST	1,087,949 <sup>4</sup>	Windhorst	01/18-09/23(60)	Galaxy Assembly and First Light with JWST
Sub-total	1,450,202	(Grants Funded or Approved for FY $\geq$ 18 )		
		<i>Grants Pending for FY<math>\geq</math>18:</i>		
NSF/Ast17xxxx	302,767	C. Gardner	10/18-09/21(05)	3D Simulations of Starformation by AGN Jets
Sub-total	302,767	(Grants Pending for FY $\geq$ 18 )		
Total	10,155,394	(Grants Funded, Approved, or Pending as of FY18)		

Notes:

<sup>1</sup> Award amounts are totals received at or requested by my group at ASU, and reflect ASU's part of the project only.

<sup>2</sup> Percentage effort is fraction of research time spent by Windhorst on each funded project, as active in each fiscal year. Approximately this fraction of time is spent on each project during the academic year, as well as during the summers.

<sup>3</sup> This NASA grant continued my work as Interdisciplinary Scientist in FY15-FY16 for the James Webb Space Telescope (JWST), to be launched in 2018. It comes in installments of about 145 k\$ per FY.

<sup>4</sup> This 7-year NASA budget (FY17-FY23) has been approved to finish my work as Interdisciplinary Scientist for the James Webb Space Telescope to cover its launch and post-launch years. It comes in installments of  $\sim$ 225 k\$ per FY.

**Patents of Windhorst's research group at ASU**

---

Patent No.	Date filed	PI	Patent title
US Patent office # 21304US01	08/09	Windhorst	Using Hubble Space Telescope Object Finding and Classification Software as Detection Method of Early-stage Diabetes Mellitus Type II
US Patent office #PCT/US2013/070969	11/12	Hongyu Yu	A Responsive Dynamic 3D Tactile Display System using Hydrogel Publ.#: WO2014081808 A1; International Classif.: G06F3/14, G06F3/01

---

Internal Funding of Windhorst's Research Projects at ASU

Source/Grant No.	\$ Amount <sup>1</sup>	ASU-PI	Period(% effort) <sup>2</sup>	Project title
VP-Res/CLAS	50,333	Windhorst	07/87-06/89(40)	Studies of faint radio galaxies [startup
Phys. Dept.	20,333	Windhorst	07/88-06/90(40)	Studies of faint radio galaxies -funds]
RIA/Phys match	5,394	Windhorst	07/88-06/90(40)	Studies of faint radio galaxies
Grad. College	10,500	Windhorst	07/88-06/89(10)	Studies of distant protogalaxies
CLAS Minigrant	500	Windhorst	07/88-06/89(10)	Studies of distant protogalaxies
CLAS/Phys match	6,420	Windhorst	07/88-06/90(10)	Studies of distant protogalaxies
FGIA	3,000	Windhorst	11/88-06/89(30)	UV spectra of nearby/high-z radio gxys
Grad. College	10,500	Windhorst	07/89-06/90(30)	UV spectra of nearby/high-z radio gxys
Grad. College	10,500	Windhorst	07/90-06/91(40)	Studies of faint radio gxys/clustering
CRAY Inc.	140 hrs	Windhorst <sup>3</sup>	07/90-06/91(40)	Studies of faint radio gxys/clustering
VP/Res match	9,636	Windhorst	10/90-09/91(30)	The US ROSAT Deep X-ray Survey Part I
CRAY Inc.	300 hrs	Windhorst <sup>3</sup>	10/91-09/92(30)	Morphology of gE radio galaxies (Cy 1)
VP/Res match	27,631	Windhorst	10/91-09/92(30)	Morphology of gE radio galaxies (Cy 1)
VP/Res match	8,750	Windhorst	10/92-06/94(30)	UV-spectral evol of gE's to z=0.5 (Cy 2)
CLAS/Physics	7,000	Windhorst	07/94-06/95(45)	PC imaging of a collapsing z=2.4 galaxy
VP/Res match	7,000	Windhorst	07/94-06/95(50)	The HST Medium Deep Survey (Cycle 4)
CLAS/Physics	10,000	Windhorst	07/95-06/96(50)	WFPC2 imaging of a z=2.4 galaxy cluster
VP/Res match	9,000	Windhorst	07/95-06/96(45)	The HST Medium Deep Survey (Cycle 5)
CLAS/Physics	3,766	Windhorst	07/96-06/97(30)	WFPC2 Ly-alpha imaging of z=2.4 clusters
VP/Res match	3,600	Windhorst	07/96-06/97(45)	The WFPC2 B-Band parallel survey (Cy 6)
CLAS/Physics	2,525	Windhorst	07/97-06/98(25)	NIC2 imaging of radio sources with R>29
CLAS/Physics	2,525	Windhorst	07/97-06/98(30)	NIC2 imaging of the oldest z=1.5 gxys
VPR/CLAS/Dept	22,400	Windhorst	07/98-06/99(25)	Medium-band imaging of faint galaxies: filters
VPR/CLAS/Dept	5,000	Windhorst	07/00-06/01(70)	Mid-UV HST morphology of nearby galaxies
VPR/CLAS/Dept	5,181	Windhorst	07/00-06/01(25)	Mid-UV morphology survey of nearby irregulars
VPR/CLAS/Dept	6,031	Windhorst	07/00-06/01(30)	Closing in on the Hydrogen Reionization edge
VPR/CLAS/Dept	262,202	Windhorst	07/02-06/14(40)	Interdisciplinary Scientist for JWST
VPR/CLAS/Dept	69,489	Windhorst	07/04-06/05(10)	Classifying Neurons in Pre-diabetic Patients
ASU/CLAS/Dept	TBD	Windhorst	07/08-06/06(13)	ASU Presidential Cosmology Initiative
ASU/CLAS/SESE	20,000	Windhorst	01/13-12/14(20)	3D-IMAGINE: STEM classes for blind students

Notes:

<sup>1</sup> Award amounts are totals received at or requested by ASU, and reflect ASU's part of the project only.

<sup>2</sup> Percentage effort is fraction of research time spent by Windhorst on each funded project, as active in each fiscal year.

<sup>3</sup> In the early 1990's, the ASU CRAY X/MP time was equivalent to about \$ 300 per hour.

## SERVICE

### 1. Astronomy Committees and Other Service to the Astronomical Community:

---

Period	Committee
1986-1989	Adjunct to the Hubble Space Telescope Wide Field/Planetary Camera Instrument Definition Team (PI: J. Westphal, Caltech).
1987-1990	Adjunct to the Columbus Telescope Scientific Advisory Committee (Chair: R. Kron).
1986-1995	Co-I of the Hubble Space Telescope Medium-Deep Survey (PI: Griffiths, STScI). The MDS was one of the three long-term Key Projects on HST in Cycles 1-5.
1991-1995	Hubble Space Telescope Users Committee (Chair: J. Hutchings). STUC Liaison to the STSDAS Users Committee (Chair: C. Christian).
1993	Review Committee of the HST/WFPC-2 Thermal Vacuum Tests (Chair: K. Horne).
1993-1994	NASA's HST/STUC Independent Budget Review Committee (Chair: R. Windhorst). Reviewed the entire 10-year 240 M\$/year HST Project budget at GSFC and STScI.
1995	Hubble Space Telescope Cycle 6 Time Allocation Committee. (Galaxy Panel; Chair: P. T. de Zeeuw).
1991-1994	Steward Observatory and MMT Time Allocation Committee (Chair: M. Rieke).
1992-1993	Local Organizing Cmtee of 181 <sup>st</sup> AAS meeting in Phoenix (Chair: D. Burstein).
1993-1997	National Radio Astronomy Observatory Users Committee (Chair: R. Brown).
1995-1997	National Radio Astronomy Observatory VLA Sub-Committee (Chair: J. van Gorkom).
1993-1996	Oversight Committee for the VLA All-Sky Surveys (Chair: F. Owen).
1997-2001	Hubble Space Telescope Parallel Working Group (Chairs: F. D. Macchetto & J. Frogel). This Committee is responsible for the planning of the entire set of (simultaneous) HST parallel observations with WFPC2, NICMOS, STIS and ACS in Cycles 7-11.
1998	National Science Foundation CAREER Review Panel (Chair: J. P. Wright).
1999-2005	Large Binocular Telescope Optical/UV Spectrograph Working Group (Chair: B. Peterson). Oversees design and construction of the Optical/UV Spectrograph on the 11.3 meter LBT.
1999-2009	Steward Observatory Telescope/Instrument Review Committee (Chair: P. Strittmatter). Reviews overall strategies for Steward Observatory telescope use and instrumentation.
1999	Hubble Space Telescope Cy 9 Time Allocation Committee (Exgal. Panel; Chair: J. Huchra).
1999-2001	National Radio Astronomy Observatory: Reviewer for VLA, VLBA, and VLBI interferometers (VLA TAC Chair: M. Goss).
2000-2001	Steward Observatory and MMT Time Allocation Committee (Chair: J. Holberg).
2001-2002	Steward Observatory and Magellan Time Allocation Committee (Chair: D. Zaritsky).
2002-2003	Steward Observatory and Magellan Time Allocation Committee (Chair: R. Windhorst).
2000-2001	Hubble Space Telescope – Hubble Fellowship Selection Panel (Chair: A. Filippenko).
2000-2001	Scientific Organizing Cmtee; STScI ACS Surveys Workshop (Chair: S. Beckwith).
2001	NSF Peer Review (Clusters and Large Scale Structure Panel; Chair: R. Barvainis).
2001	Hubble Space Telescope Time Cy 11 Allocation Cmtee (Exgal. Panel; Chair: R. Windhorst).
2001-2003	National Optical Astronomy Observatories Time Allocation Cmtee (Chair: D. de Young).
2002	Scientific Organizing Cmtee; Hubble Space Telescope treasury workshop (S. Beckwith).
2003	Hubble Space Telescope Cycle 12 Time Allocation Cmtee (Cosmo. panel; Chair: R. Green).
2004	Spitzer Space Telescope Cycle 1 Review (Cosmology panel; Chair: M. Strauss).
2003-2004	Scientific Organizing Cmtee; South Africa Galaxy Workshop (Chair: D. Block).

---

**1. Astronomy Committees and Other Service to the Astronomical Community (continued) :**

Period	Committee
1998-present	Scientific Oversight Committee (SOC) member of HST's Wide Field Camera 3 (WFC3). Supervises the design and construction of this camera launched and installed into HST in May 2009, and is planned to be operational through 2020 (Chair: R. O'Connell). This is a 120 M\$ project that I am very closely involved with, resulting in about 4 meetings per year in MD, and a considerable amount of document writing for NASA. I do this to help assure a great science future for HST until 2015, and to remain actively involved with HST until 2019, when the James Webb Space Telescope is launched. I am leading part II of the Early Release Science Program (ERS) that is using the HST/WFC3 right after its May 2009 launch to carry out a panchromatic UV-optical-near-IR survey of cosmic star-formation at intermediate redshifts ( $z \approx 1-5$ ).
1999-2008	WFC3 SOC Filter Subcommittee (Chair: J. Trauger).
1999-2008	WFC3 SOC CCD-Detector Subcommittee (Chair: G. Luppino).
2000-2008	WFC3 SOC Post-Observations Subcommittee to design WFC3 Pipeline (Chair: C. Lisse).
2002-2008	WFC3 SOC Subcommittee for Science Calibration and Thermal Vacuum (Chair: N. Reid).
2002-2004	Scientific Advisory Committee of the HST Ultra Deep Field Survey (Chair: S. Beckwith).
2001	Consultant for the Next Generation Space Telescope (NGST) project. Specific focus on predicting galaxy morphology as seen by NGST at redshifts $z=1-20$ , and on optimizing its performance for Hydrogen reionization edge studies at $z=6-20$ .
2002-present  (planned to run through 2023)	Interdisciplinary Scientist for the James Webb Space Telescope (JWST) — formerly known as Next Generation Space Telescope — the 6.5 meter sequel to the Hubble Space Telescope. JWST is built by Northrop-Grumman Space Technologies (formerly TRW), and to be launched to an L2 orbit in 2019. My responsibilities are to assist the JWST Project with defining the best JWST science, help define the optimal telescope and instrument performance, simulate JWST's actual performance, oversee all of the design, integration and testing phases of JWST, and after its launch carry out a vigorous research JWST program in 2019–2023 using 110 guaranteed hours of observing time, in which I plan to study the structure and evolution of galaxies at redshifts $z=1-6$ , search for the first galaxies and star clusters at $z=6-20$ , and study the reionization epoch when the first stars and star clusters started shining. Funding to ASU by NASA HQ is over 100 k\$/year through 2023. The JWST Flight Science Working Group (SWG) chair is Dr. John C. Mather (NASA/GSFC), senior Project Scientist and Nobel Laureate.
2004-2005	Co-Chair, James Webb Space Telescope Science Working Group (Chair: John Mather)
2002-2005	Co-Investigator of the NASA Roadmap Vision study proposal for Generation-X. This is the next generation X-ray telescope with $\gtrsim 100 \text{ m}^2$ collecting area and $\lesssim 0.1$ resolution, which is being studied by NASA for launch after 2020. PI is Dr. Roger Brissenden from the Harvard Smithsonian Center for Astrophysics. My role is to make the connection between Generation-X and JWST, address the role of (obscured) AGN in the reionization epoch at redshifts $z \gtrsim 6$ and during subsequent galaxy assembly, and the natural confusion limit.
2006	Reviewer for the NASA Postdoctoral Program (NPP) c/o Oak Ridge Associated Universities
2006	NASA ATP/Beyond Einstein Panel Review (Chair: M. Stiavelli).
2008	Reviewer for the NASA Postdoctoral Program (NPP) c/o Oak Ridge Associated Universities
2008	Hubble Space Telescope Cycle 16S Time Allocation Cmtee (Cosmo. panel; Chair: N. Reid).
2009-2010	Scientific Organizing Cmtee; UT Workshop on "The First Stars & Galaxies" (V. Bromm)
2009-2015	Steward Observatory and Magellan Time Allocation Committee (Chair: D. Zaritsky).



**1. Astronomy Committees and Other Service to the Astronomical Community (continued) :**

Period	Committee
2003-2010	Co-Investigator of the science team of the Star-Formation Camera (“SFC”), formerly called the ORION and HORUS mission concepts. SFC is a concept study for a wide-field UV–optical Camera on the 4 G\$ 4-meter UV-optical space telescope “THEIA”. The main science focus of THEIA/SFC is to study star-formation over cosmic time, starting in our own Galaxy, the neighboring Magellanic Clouds, in other nearby galaxies up to the most distant galaxies. With the arrival of the 2.4 meter NRO spare mirrors in 2012, the HORUS mission (PI Dr. Paul Scowen, ASU) has been revived via the NASA SALSO opportunity in 2012/2013. My role in HORUS is to help define and write the nearby and far extragalactic science cases, together with Dr. Rolf Jansen (ASU), who is the HORUS Project Scientist. I bring in expertise from other NASA missions, such as the Hubble Wide Field Camera 3 and the James Webb Space Telescope. Starting in 2014, this work is being refocused to position the community in the 2020 Decadal for a large UV-optical–near-IR sequel (e.g. a 11-16 ATLAST) to start after HST, JWST and WFIRST.
2004-2009	Co-Investigator of the NASA/DOE Joint Dark Energy Mission (JDEM) DESTINY Science team. DESTINY is a concept study for a 1 G\$ 2-meter Origins-class orbiting IR near-space telescope. Its main goal is to understand the origin of the Dark Energy or Cosmological Constant that has caused the expansion of the Universe to accelerate to exponential in the last 4–5 billion years. My role is to help define and write the far extragalactic science cases for DESTINY, with a specific focus on how the Cosmological Constant $\Lambda$ has affected weak galaxy lensing, and how it may have caused the galaxy merger rate to wind down in the last 4–5 billion years of the history of the Universe, affecting galaxy assembly, the cosmic star-formation history, and AGN activity versus cosmic time. DESTINY PI is Dr. T. Lauer (NOAO, Tucson).
2015–present	Co-Investigator of the NASA Wide Field Infrared Survey Telescope (WFIRST) Science Investigation Team (SIT) to study Cosmic Dawn (PI: Prof. J. Rhoads, ASU). The WFIRST Cosmic Dawn team will carefully investigate what survey parameters and science requirements this next NASA Flagship mission — that comes after the Hubble and Webb Space Telescopes — needs to have to survey the entire sky in the near-IR starting in 2025. The main science goal of the WFIRST mission is to accurately measure the main cosmological parameters. Our ASU team specifically focuses on how the first galaxies and quasars reionized the universe in the first billion years after the Big Bang.
2010	Hubble Space Telescope Cycle 18 Time Alloc. Cmtee (TAC; Chair: N. Bahcall)
2010	Hubble Space Telescope Cycle 18 Time Alloc. Cmtee (Galaxies panel; Chair: R. Windhorst)
2010-2012	ESA Herschel Observatory Time Allocation Cmtee (Cosmology panel; Chair: G. Zamorani)
2012	Spitzer Space Telescope Cycle 9 Review (Cosmology large proposal panel; Chair: A. Dey)
2012	Spitzer Space Telescope Cycle 9 Review (Cosmology small proposal panel; Chair: S. Malhotra)
2012	Scientific Organizing Cmtee, IAU Symp. 289: Physics of Cosmic Distances (Chair: R. deGrijs)
2014	Scientific Organizing Cmtee, 2014 Yale Hubble Frontier Fields Workshop (Chair: P. Natarajan)
2014–present	COPAG Science Analysis Group 7: Science Enabled by HST/JWST Overlap (Chair: J. Green)
2014–present	COPAG Science Analysis Group 9: Spitzer observations supporting JWST (Chair: D. Calzetti)
2014–present	COPAG Science Interest Group 2: Science & Technology needs for UV/Vis (Chair: P. Scowen)
2014–present	VLA Sky Survey Community Review Panel of the 5500-hr VLASS (Chair: A.Baker; G.Bower)
2015–2016	Hubble Space Telescope Cycle 23 + Mid-Cycle Time Alloc. Cmtees (TAC; Chair: B. Peterson)

## 2. Unit, College and University Committees and Service:

---

Period	Committee
	<b>Department Committees and Other Departmental Service:</b>
1988-1991	Department's Liaison for Public Relations (Chair: R. Windhorst).
1988-1989	Graduate Exam Committee (Chair: R. Marzke).
1988-1990	Personnel Committee (Chair: R. Jacob).
1989-1990	Astronomy Faculty Search Committee (Chair: H. Voss).
1989-1991	Department Computer Advisory Committee (Chair: R. Windhorst).
1989-1991	Refurbishing Committee for H-wing (Chair: R. Hanson).
1990-1991	Graduate Program Committee (Chair: D. Benin).
1991-1993	Budget and Policy Committee (Chair: S. Wyckoff).
1994-2000	(Non-voting on) Budget and Policy Committee (Chair: H. Voss).
1992-1993	Undergraduate Program Committee (Chair: J. Comfort).
1992-1993	Bylaws Committee (Chair: J. Comfort).
1996	Computer System Manager Search Committee (Chair: B. W. Tillery).
1994-2000	Associate Department Chair (Chair: H. Voss).
1998-1999	Colloquium Committee (Chair: R. Windhorst).
1999-2000	Colloquium Committee (Chair: N. Herbots).
2001-2002	Graduate Exam Committee (Chair: J. Drucker).
2001-2003	Department Computer Committee (Chair: J. Shumway).
2002-2006	Braeside Observatory Time Allocation Committee (Chair: R. Windhorst).
2002-2003	Astrobiology Search Committee (Chair: J. Hester).
2002-2003	Undergraduate Advisor (Chair: R. Jacob).
2002-2004	Personnel Committee (2003 Chair: R. Windhorst).
2003-2005	Space Committee (Chair: J. Dow).
2003-2004	Braeside Observatory Manager Search Cmtee (Chair: P. Scowen).
2003-2004	Academic Research Scientist Search Cmtee (Chair: R. Windhorst).
2003-2004	Postdoctoral Research Associate Search Cmtee (Chair: R. Windhorst).
2004-2005	Extragalactic/Theory Faculty Search Committee (Chair: R. Windhorst).
2004-2005	New Physics Steering Committee (Chair: P. Bennett).
2004-2006	Undergraduate Program Committee (Chair: M. Treacy).
2005-2006	Physics Graduate Curriculum Committee (Chair: T. Newman).
2005-2006	Physics Colloquium Committee (Chair: M. Treacy).

---

**2. Department, College and University Committees and Service (continued):**

---

Period	Committee
<b>School of Earth and Space Exploration (SESE) Committees and Service:</b>	
2005-2006	SESE Astrophysics Graduate Program Proposal (with R. Greeley).
2005-2006	SESE Founding Director Search Committee (Chair: D. Young).
2005-2006	SESE Engineering Faculty Search Committee (Chair: P. Christensen).
2005-2006	Bylaws Committee for School of Earth and Space Exploration (Chair: E. Stump).
2006-2008	Personnel Committee for School of Earth and Space Exploration (Chair: T. Sharp).
2008-present	Co-Director, ASU Cosmology Initiative, School of Earth & Space Exploration
2008-2009	Cosmology Theory Faculty Search (Chair: L. Krauss).
2009-2010	Observational Cosmology Faculty Search (Chair: R. Windhorst).
2009-2010	Instrumental Cosmology Faculty Search (Chair: R. Windhorst).
2010-2011	Observational Cosmology Faculty Search (Chair: R. Windhorst).
2010-2011	Experimental Cosmology Faculty Search (Chair: L. Krauss).
2009-2012	Museum and Planetarium Committee (Chair: S. Semken).
2009-2013	SESE Promotion & Tenure Committee (Chair: R. Windhorst).
2012-2014	SESE Awards Committee (Chair: R. Windhorst).
2013-2018	CLAS Senator for SESE (excluding a 2014–2015 sabbatical)
2018-2021	ASU Academic Senator for SESE
<b>College Committees and Other College Service:</b>	
1990-1992	College Liaison for Academic Computing (Chair: R. Windhorst).
1990-1992	Research Computing Subcommittee of Academic Computing Advisory Cmtee (ACAC).
1995-present	The NASA Arizona Space Grant Consortium CLAS Sub-Committee (Chair: T. Sharp).
1997-1998	The Dean's Faculty Advisory Council (Chair: N. Russo).
1998-1999	The Dean's Faculty Advisory Council (Chair: T. Richards).
1999-2000	The Dean's Faculty Advisory Council (Chair: R. Windhorst).
2000-2001	Post Tenure Review Committee (Chair: R. Windhorst).
2013-2018	CLAS Senate (2017–2018 President: R. Windhorst)
<b>University Committees and Other University Service:</b>	
1990-1992	Academic Computing Advisory Committee (ACAC; Chair: A. Philippakis).
1987-1993	DEC Users Group (Chair: N. Armann).
1988-1992	CRAY Users Group (Chair: S. West).
1995-present	The NASA Arizona Space Grant Consortium Steering Committee (Chair: T. Sharp).
2007-2009	Regents' Professors Selection Committee (Chair: Prof. R. Denhardt).
2006-2013	Regents' Advisory Group (Chair: ASU Provost Dr. E. Capaldi).
2006-present	ASU Academic Council (Chair: ASU President Dr. M. Crow).
2006-present	ASU Federal Relations Working Group (Chair: S. Hadley).
2011-present	University Faculty Achievement Awards Committee (Chair: A. Blakemore).
2018-2021	ASU Academic Senate (President: A. Maltz)

---

**Refereeing research papers and proposals**

Journal/Agency	Approx. Number Refereed per Year
<b>Journal Articles Refereed per year:</b>	
Astrophysical Journal + Astrophysical Journal Letters	≤ 2–3
Astronomical Journal	≈ 1
Astronomy and Astrophysics (+Letters)	1
Astrophysics and Space Science	1
Monthly Notice Royal Astronomical Society	1–2
Nature/Science	1
Publ. of the Astron. Soc. of the Pacific	≤ 1
Academic Publishers (Book Reviews)	1–2
<b>Grant or Observing Proposals Refereed:</b>	
National Science Foundation (1998 and 2001) (each proposal typically few 100 k\$)	50
National Science Foundation — Referee of Large proposals (including one ~120 M\$ proposal in 2004)	1/every few yrs
Lawrence Livermore National Laboratories (1990's)	1
Canada National Science/Engineering Research Council (2012, 2014)	2
Netherlands Organization for Scientific Research (NWO)	1
Israel Science Foundation (ISF; 2004, 2015)	1
Canada French Hawaiian Telescope (1996–1998)	6
National Radio Astronomy Observatory (three times a year in 1990's)	~50–100
NASA Hubble Space Telescope (1996, 1999, 2001, 2003, 2008, 2015)	~125
NASA Spitzer Space Telescope (2004, 2012, 2015)	~100
NASA/STScI Hubble Fellowship Program (2001)	124
NASA ATP/Beyond Einstein Panel Review (2006)	~50
NASA Postdoctoral Program (2006, 2012, 2014, 2015)	12
U. S. Civilian Research and Development Foundation (2008)	1
Canada Foundation for Innovation (CSI; 2012, 2015)	3-12 M\$ proposals
Steward Observatory Time Allocation Committee (1991–1994; 2000–2003; 2009–2015)	~200
NRAO Very Large Array Sky Survey (9000 hr proposal; 2015)	1
<b>Other Refereeing Activities:</b>	
Ph.D. Dissertations (ASU and for universities abroad)	≤ 2
Reference for ex students and postdocs	15–20
Reference for tenure/promotion of candidates nationwide	~5

## EXPERIENCE WITH RESEARCH, NASA PROJECTS AND INSTRUMENTS

**Publications:** In total, 202 refereed papers published or in press, 5 papers (re)submitted, and 10 in preparation; 31 review papers; 104 non-refereed papers; and 207 published abstracts (see Appendix 4). [http://adsabs.harvard.edu/abstract\\_service.html](http://adsabs.harvard.edu/abstract_service.html) lists  $\gtrsim 12,300$  current citations and  $h\text{-index}\approx 59$ . <http://scholar.google.com> lists  $\gtrsim 15,508$  citations and  $h\approx 65$ .

**Federal Grants:** Since 1989, I have brought in  $\sim 9$  M\$ in federal grants from NASA and the NSF through over 94 different research projects, and have several proposals pending for  $\text{FY}\geq 18$ .

**Hubble Space Telescope projects:** Since 1990, I have been involved in 64 different projects with HST, which have used all HST instruments: WF/PC-1, FOC, FOS, GHRS, WFPC2, NICMOS, STIS, ACS and WFC3 (with FGS for guiding only). I was Co-I of the HST Medium Deep Survey Key Project in Cycles 1–5. Collaborated with over 150 astronomers, more than 60 from over 15 different countries.

**HST Wide Field Camera 3:** As active member of the WFC3 Scientific Oversight Committee (1998–present), I helped plan the WFC3 UV nearby galaxy and high redshift near-IR science performance, oversaw its design and construction, and led a number of large WFC3 science programs since 2009.

**James Webb Space Telescope:** I am one of the six Interdisciplinary Scientists worldwide for JWST, and member of the JWST Flight Science Working Group (SWG). I am significantly involved in defining and overseeing JWST's scientific performance, supporting its entire design and construction phase. I am planning several significant science programs that will get observed after JWST's launch in 2019. Key is to get the astronomical community, the public, and Congress to rally around JWST.

**NASA:** I have over 30 years experience with NASA through HST (as part of WF/PC-1 since 1986, and WFC3 since 1998) and JWST (since 2001). In 1994, I chaired the STUC review of the entire HST Project budget for 1991–1999 ( $\sim 240$  M\$/year). I have a very good understanding of how NASA works.

## EXPERIENCE WITH PERSONNEL, OUTREACH, and TEACHING

**Colloquia and Symposia:** I gave over 350 colloquia or seminars, 65 invited reviews, and attended over 110 international Symposia in more than 15 different countries. Details are available upon request.

**Public Outreach:** Give several public lectures to the community each year. Organize regular NASA press releases, Space Science Updates, or Science Writers Workshops on new HST results (see URL's below).

**Teaching:** Extensive experience as faculty in teaching 9 different undergraduate astronomy lecture courses and lab courses, and 4 different astronomy graduate courses. Taught over 11,800 ASU students since 1987.

**Personnel Management:** As associate chair from 1994–2000, I helped run a Department of 40 faculty and 100 graduate students, carry out the hiring of over 50 teaching assistants each year, and help the Department stay within a budget of  $\sim 400$  k\$/year. I have been on the Dean's Council from 1997–2000, and chaired it from 1999–2000. Each year, this Council reviewed typically 50–75 tenure and promotion cases and I advised the Dean about these. In my research group at ASU, I have supervised 9 Senior Research Scientists, 14 post-docs, 52 graduate, 60 undergraduate, and 7 high-school students.

**Personal Skills:** My biggest strengths are to listen, and motivate people to bring out the best in themselves.

## EXPERIENCE WITH OBSERVING, DATA PROCESSING AND ANALYSIS

**Direct CCD-Imaging:** Extensive experience with CCD-arrays on large telescopes (several 100 nights in total): Palomar 200" Four-shooter, KPNO and CTIO 4m MOSAIC, MMT 6.5m MegaCam and Magellan 6.5m IMACS, and smaller telescopes. Experience with CCD data reduction (IRAF, STSDAS).

**CCD-Spectroscopy:** Experience with CCD-spectrographs (over 100 nights): KPNO 4m (Cryocam, HYDRA), Palomar 200" (Four-shooter Spectr.), Las Campanas 100", MMT 6.5m Red & Blue Spectrographs.

**Photometry:** Considerable experience with two-dimensional photometry. Developed and tested code to accurately remove cosmic rays, and large scale gradients from CCD-frames (at the level of  $10^{-4}\times\text{sky}$ ).

**Radio Astronomy:** Extensive experience with the Westerbork Synthesis Radio Telescope and the Very Large Array ( $\gtrsim 1000$  hours), and their calibration, FFT, reduction and analysis software (AIPS).

**Computer Experience:** IBM, DEC/VMS, and UNIX mainframes; UNIX & LINUX workstations (DEC, SUN, Mac's, PC's). FORTRAN, IRAF, STSDAS, AIPS for reduction & analysis.

## REFERENCES

Dr. John C. Mather, Senior Project Scientist & Nobel Laureate  
James Webb Space Telescope  
NASA Goddard Space Flight Center  
Mail Code 443, Building 22, Room 332  
Greenbelt, MD 20771  
USA

Tel. 1 301 286 6885 or 8720 or 8528 or 5770, FAX: 1 301 286 1753 or 7021  
Email: John.C.Mather@nasa.gov or ebarnes@hst.nasa.gov (Ms. Eileen Barnes).

Prof. Dr. Harry van der Laan, Emeritus Director General of ESO  
Schoener 18  
NL-3961 KZ, Wijk bij Duurstede  
The Netherlands  
Tel. +31 343 579 186  
E-mail: vdlaan@astro.uu.nl

Dr. Barry G. Ritchie, Professor and Vice Provost for Academic Personnel  
Department of Physics  
Arizona State University  
P. O. Box 871504  
Tempe, AZ 85287-1504  
USA  
Tel: 1 480-965-4707 FAX: 1 480-965-7954  
E-mail: Barry.Ritchie@asu.edu

My updated full CV can be found on:

<http://www.asu.edu/clas/hst/CV/windhorstCV.pdf>

## APPENDIX 1. HIGHLIGHTS OF MAIN RESEARCH

Here I review the highlights of my research, and give references to the relevant journal papers or review papers listed in my bibliography. By the nature of the field, many of my papers are multi-authored. Hence, I will summarize those projects and papers where I was the science lead, where one of the postdocs (Driver, Jansen, Odewahn, Richards, Schmidtke, or Waddington) or graduate students (Cohen, Mutz, Neuschaefer, Pascarelle, Taylor, or Yan) in my group was first author, and/or when I had otherwise a significant impact on the science results:

### (1) The Nature and Evolution of Faint Radio Source Populations

- **Multi-frequency radio surveys down to milliJansky levels:** Starting in the 1980's, I carried out deep radio-optical surveys of the sky to delineate the cosmological evolution of the radio source population (in luminosity, space density, and linear size) and trace its physical cause: Why were active galactic nuclei much more numerous and luminous in the past? In the first set of sub-milliJansky surveys with the Westerbork Radio Synthesis Telescope and the Very Large Array, I discovered the upturn in the milliJansky source counts (Windhorst et al. 1984, 1985, Katgert-Merkelijn et al. 1985), which heralded a different population of radio faint sources than the canonical giant ellipticals and quasars.
- **Ultradeep microJansky radio surveys of selected areas:** I carried out or was involved in systematic radio surveys at microJansky levels with the VLA and Westerbork, which confirmed the upturn in the milliJansky source counts over almost 1 dex in frequency and greatly improved its significance (Windhorst et al. 1985, 1993, 1995; Oort & Windhorst 1985; Oort et al. 1988; Donnelly, Partridge, & Windhorst, 1987; Katgert, Oort, & Windhorst, 1988; Fomalont et al. 1991, 2003, 2004; Hopkins et al. 2000).
- **Limits to fluctuations in the Cosmic Background Radiation at cm wavelengths:** I was involved in using these microJansky surveys to set significant upper limits to possible fluctuations in the Cosmic Background Radiation on arcsec-subarcmin scales at cm wavelengths (Fomalont et al. 1988; Windhorst et al. 1995; Richards et al. 1997; Partridge et al. 1997; Campos et al. 1999).
- **High resolution imaging of faint radio sources:** I was involved in systematic high-resolution VLA imaging of the nature of milliJansky and microJansky radio sources. These sources are a mixture of classical FR-II/FR-I sources, starburst-driven compact radio sources, and sources with weak compact AGN (Oort et al. 1987). We measured the size evolution of the FR-II sources (Oort, Katgert, & Windhorst, 1987). These results led to papers to simulate the nanoJansky radio universe with the Square Kilometer Array ("SKA", Hopkins et al. 2000; Kawata, Gibson, & Windhorst, 2004) and papers on the natural confusion limit at radio and optical-IR wavelengths (Windhorst et al. 2005).
- **HST imaging, multicolor photometry and spectroscopy of faint radio galaxies:** I led or was closely involved in a number of projects to delineate the true nature and evolution of faint radio galaxies, which provided solid UV-optical evidence of a mixture of early-type galaxies, starbursting and post-starburst galaxies, and weak AGN, where the starburst galaxies cause the upturn in the milliJansky source counts (Windhorst et al. 1984b, 1985, 1991, 1992, 1994a, 1994b, 1998; Oort & Windhorst 1985; Kron, Koo, & Windhorst, 1985; Keel, & Windhorst, 1993, Fomalont et al. 1997; 1997, 2003, 2004; Scoville et al. 1997; Richards et al. 1998, 1999; Haarsma et al. 2000; Waddington et al. 1999, 2000, 2001, 2002).
- **In summary:** The above work was described in a number of review papers (van der Laan & Windhorst 1982; Windhorst 1985, 1986; Windhorst et al. 1990, 1999a, 1999b, 2000a, 2000b, 2001). In Windhorst et al. (1985, 1995), we identify the microJansky sources as a population dominated by double, interacting and merging sources, and suggest that these objects are gradually forming giant early-type galaxies through repeated hierarchical merging. In Windhorst (2003), I suggested that the Cosmological Constant  $\Lambda$  itself was responsible for the strong cosmological evolution of faint radio sources by winding down the strongly epoch dependent merger rate for  $z \lesssim 1$ . This same process also causes the transition between the merger driven universe that we see with HST at  $z \gtrsim 1$  and the universe that is mostly passively evolving at  $z \lesssim 0.5-1$ , as described in the more recent HST papers below (*e.g.*, Cohen et al. 2003, Windhorst et al. 2004).
- **Lesson:** The irony of this result is enormous — astronomers in the 1960's and 1970's studied distant galaxies and radio sources to constrain world geometry ( $q_0$ ,  $\Omega$ ), but found that these effects were overshadowed by evolutionary effects. Astronomers in the 1980's and 1990's focused on measuring galaxy evolution and formation, and now it appears that for  $z \lesssim 1$  these processes are dominated by  $\Lambda$  instead.

## (2) The Faint Galaxy (two-point) Correlation Function and the Evolution of Galaxy Clustering

- These deep radio-optical surveys were also used to delineate the faint galaxy two-point correlation function for  $V \lesssim 26$  mag on  $0.5^\circ$  scales (Neuschaefer, Windhorst, & Dressler, 1991; Neuschaefer, & Windhorst, 1995a, 1995b). This showed a significantly lower amplitude of galaxy clustering at faint fluxes ( $z \gtrsim 1$ ), and set limits to the possible evolution of the correlation function slope, which are important constraints to large scale structure formation.

## (3) HST Surveys to Trace the Nature and Evolution of Faint Galaxies

I led or was closely involved in a significant number of HST projects to delineate the nature and evolution of faint galaxies:

- **HST mid-UV imaging of nearby galaxy morphology and structure as benchmark for reliable high redshift classifications:** The key to address the nature and evolution of faint field galaxies is to understand the rest-frame UV morphology and structure of nearby galaxies. This we begun to do in Keel & Windhorst (1991, 1993) and Windhorst et al. (1994a, 1994b). A significant step forward came from recent systematic HST imaging projects in the rest-frame mid-UV of nearby galaxies (Windhorst et al. 2002; Eskridge et al. 2003; de Grijs et al. 2003). The main findings were that at high redshift, true early-type galaxies are more likely to be misclassified than true late-type galaxies, although early-types do not usually get misclassified at late-type galaxies (Windhorst et al. 2002). See also: *hubblesite.org/news/2001/04 and 2001/37*.

- **Accurate quantitative classification of faint galaxies:** My group at ASU classified faint galaxies using Artificial Neural Networks (Odewahn et al. 1996, 1997) and Fourier decomposition methods (Odewahn et al. 2002), resulting in more robust classification of the faint blue galaxy population seen by HST.

- **The nature of faint galaxies seen in deep HST surveys:** I led a group at ASU to do systematic deep HST surveys — even before the Hubble Deep Fields came out — and was actively involved in the HST Medium-Deep Survey Key Project to image many more fields with HST/WFPC2 in parallel mode. Even before HST’s spherical aberration was fixed, this led to some ability to classify faint galaxies as bulge-dominated or disk-dominated (King et al. 1991; Windhorst et al. 1992, 1994a, 1994b; Casertano et al. 1995; Griffiths et al. 1994a; Phillips et al. 1995). The most significant results from this work came after HST’s image quality was fixed in late 1993: we used the HST images to show that faint blue field galaxies are dominated by late-type/irregular and peculiar/merging galaxies (Driver, Windhorst et al. 1995a, 1995b, 1996, 1998, 2003; Mutz et al. 1994, 1997; Schmidtke et al. 1997, and review papers by Windhorst et al. 1996, 1998, 1999a, 1999b, 2000b, 2003). See also: *hubblesite.org/news/1995/08*.

- **The evolution of faint galaxies seen in HST surveys:** My group at ASU used these deep HST images and the Medium-Deep Survey images to constrain the metric sizes and size evolution of faint galaxies (Mutz et al. 1994), and to delineate the evolution of faint galaxies across the Hubble sequence (Driver et al. 1995b, 1996, 1998; Griffiths et al. 1994b; Cohen et al. 2003). The most important result from this work appeared in Driver et al. (1995, 1998), Odewahn et al. (1996) and Cohen et al. (2003): the dominant class of late-type/irregular and peculiar/merging galaxies at  $z \gtrsim 1-2$  is in the gradual process of hierarchically growing the giant early-type galaxies, which dominate the Hubble sequence that we see at  $z \lesssim 1$ .

- **HST imaging of other classes of objects:** My groups was also involved in constraining the epoch dependent merger rate from the HST images (Burkey et al. 1994), and set limits to the Cosmological Constant from the counts of well-classified early-type HST galaxies (Driver et al. 1996; Phillips et al. 2000) before the SN and WMAP results yielded an accurate value of  $\Lambda$ . I was also involved in HST studies of the nature of specific classes of high redshift sources, such as sub-mm sources (Chapman et al. 2003a, 2003b, 2004b; Conselice et al. 2003), Lyman Break Galaxies (Chapman et al. 2002), Ly $\alpha$  “Blobs” (Chapman et al. 2004a), faint X-ray sources (Nandra et al. 2002; Yan et al. 2002), and faint high redshift radio galaxies (Windhorst et al. 1998, Keel et al. 1999, 2002). A number of the latter objects have weak AGN that were identified through faint Ly $\alpha$  AGN-reflection cones.

- **Constraints on how the Cosmological Constant  $\Lambda$  affected galaxy evolution:** With the more accurate Artificial Neural Network classifications of Odewahn (2002) that are anchored in the rest-frame mid-UV (Windhorst et al. 2002) and with the much larger flux-dynamic range available in Cohen et al. (2003), we showed that for  $AB \gtrsim 24$  mag ( $z \gtrsim 0.5-1$ ) not only faint blue late-type galaxies show an excess in their number counts, but to some significant extent also the early- and mid-type galaxies. In Cohen



et al. (2003) and Windhorst, Taylor & Jansen (2004), we suggested that this is due to the Cosmological Constant gradually winding down the epoch dependent rate of (minor) mergers for  $z \lesssim 1$ , resulting in the remarkable transition between the merger driven universe seen with HST at  $z \gtrsim 1$ , and the mostly passively evolving universe seen at  $z \lesssim 0.5-1$ .

#### (4) Distant Groups or Proto-Clusters of Young Sub-galactic Sized Objects

- One of the dramatic discoveries with HST was that one high redshift radio galaxy at  $z=2.39$  that my group had studied — including with HST (Windhorst et al. 1991, 1992, 1998) — was surrounded by a significant number of faint Ly $\alpha$  emitting candidates, which were very blue and compact in the HST images. These objects were identified at  $z \simeq 2.4$  in papers by Pascarelle et al. (1996a, 1996b, 1998) and Keel et al. (1999, 2002, 2004). In total, three weak radio AGN were found at  $z \simeq 2.39$  with faint AGN reflection cones shining off to one side. The most significant result was that the faint surrounding  $z \simeq 2.4$  objects are clearly sub-galactic in size and mass ( $M \simeq 10^8-10^9 M_{\odot}$ ), and as a group had a small enough velocity dispersion to allow for subsequent merging at  $z \gtrsim 2$ , resulting in the giant galaxies that we see today at  $z \lesssim 1$ . This is thus a direct manifestation of the hierarchical galaxy growth that is implicitly visible in the evolution of the Hubble sequence in the HST field galaxy surveys described above. See also: [hubblesite.org/news/1996/29](http://hubblesite.org/news/1996/29).

#### (5) Nature and Evolution of the Oldest or Reddest Galaxies at High Redshifts

As a spin-off of the deep radio-optical surveys, I was involved in finding a number of optically very faint or unidentified radio sources, whose nature only became clear through careful collaborative studies involving the worlds largest telescopes:

- **Ages of the oldest galaxies at high redshifts:** In Dunlop et al. (1996) and Spinrad et al. (1997), this work identified two milliJansky radio sources through Keck spectroscopy as  $\sim 3.5$ -Gyr old galaxies  $z \simeq 1.43-1.55$ , which were the oldest known galaxies known at high redshifts at that time. In Peacock et al. (1998), we summarized the constraints that these old high redshift galaxies provided on the primordial density fluctuation spectrum.
- **Sizes of the oldest galaxies at high redshifts:** In Waddington et al. (2002), we presented HST/NICMOS images of these two old galaxies at  $z \simeq 1.5$ , which clearly showed dominant  $r^{1/4}$ -laws and which constrained the Kormendy relation at that redshift.
- **Nature of optically faint radio sources:** In Waddington et al. (1999), we presented HST/NICMOS images of an optically unidentified microJansky radio source. Keck spectra of a faint Ly $\alpha$  feature at  $z=4.424$  about 1" from the main object suggested that this is a weak AGN surrounded by a dusty forming exponential disk with an faint AGN reflection cone shining off to the side. This object is thus like the weak radio-selected AGN we imaged with HST at  $z \simeq 2.39$  (see above), but seen under a different angle. Other optically faint radio sources were found in Richards et al. (1999). This work provided a flavor of the dust obscured star-formation and hidden AGN that are now being found in large numbers with the Spitzer Space Telescope.

#### (6) Studies of the Cosmic Reionization Epoch

Recently, part of my group at ASU has been involved in delineating the population that was responsible for completing the epoch of cosmic reionization at  $z \simeq 6$ :

- **The population of objects that completed cosmic reionization at  $z \simeq 6$ :** In papers led by Haojing Yan, we summarized all available constraints to the surface density and LF of objects at  $z \simeq 6$  (Yan et al. 2002). Next, these were supplemented with samples of  $z \simeq 6$  dropouts from HST/ACS parallel fields (Yan, Windhorst, & Cohen 2003) and the Hubble Ultra Deep Field (Yan, & Windhorst 2004b). The fraction of bogus detections and lower-redshift interlopers is generally small enough that at the faint-end ( $AB \simeq 27-29.5$  mag) i-band dropouts are largely genuine  $z \simeq 6$  objects. Their number density is large enough and their faint-end LF-slope is steep enough that the collective UV-output of dwarf galaxies likely ended the process of cosmic reionization at  $z \simeq 6$  (Yan & Windhorst 2004a). If true, this has dramatic consequences for the formation of objects at  $z \gtrsim 6-7$  and the design of surveys with James Webb Space Telescope (JWST). See also: [hubblesite.org/news/2004/28](http://hubblesite.org/news/2004/28) and [hubblesite.org/news/2003/05](http://hubblesite.org/news/2003/05).

- **The Grism ACS Project for Extragalactic Science:** Through this “GRAPES” survey, I was involved in getting ACS grism redshifts for objects in the Hubble Ultra Deep Field to AB=27.5 mag. This resulted in papers by Pirzkal et al. (2004, 2005), Rhoads et al. (2004) and Malhotra et al. (2005), which showed that the number of LT-dwarfs stars among the i-band dropouts is small, and that i-band dropouts to AB=27.5 mag have a 80–93% spectroscopic confirmation rate at  $z \approx 6$ , thereby validating the Yan et al. reionization results.

- **Indirect constraints to reionization:** In a paper by Shaver, Windhorst, Madau, & de Bruyn (1999), we investigated if the reionization epoch can be detected as a global signature in the cosmic background — both in redshifted HI and redshifted Ly $\alpha$ , and delineated how these features may be constrained with Low Frequency Array (“LOFAR”) and HST/STIS. This is now being implemented as science requirements for the next generation radio telescopes LOFAR and the SKA.

### **(7) Applying Astronomical Image Analysis Software to Improve Diagnosis in Medical Images:**

Recently, I led a team of people to systematically apply astronomical image analysis and classification software to a variety of medical images with as main goal to help more accurately to produce fast, reliable, and user-friendly methods to diagnose various diseases in an early stage. Critical for this work are the algorithms that we use for faint HST galaxy detection, object deblending, unsharp masking, surface photometry, asymmetry analysis, and galaxy classification. This research is in progress and includes:

- **Finding the onset of Type 2 diabetes in an early stage:** This is done by delineating and quantitatively measuring the surface density of C-fibers in skin-biopsies of healthy, pre-diabetic and diabetic Type 2 patients. The goal is to identify pre-diabetic patients in an early stage, *i.e.*, when the onset of the disease may still be prevented or delayed through natural means. In Burnett et al. (2004) we present the first results. A patent for this diagnostic method has been submitted.

- **Recognizing deficiencies in glucose cells:** This is done by quantitatively measuring the density of defects on top of glucose cell images. Goal is to identify glucose deficiencies in an early stage.

- **Quantitatively measuring the spreading of tumor cells:** This will be done by quantitatively measuring the distribution of tumor cells in images of various kinds of cancer tissue. Goal is to measure the spread of tumors in the earliest possible stage.

**In summary:** After some initial startup issues related to dealing with human subjects and human tissue, the unique combination of medical imaging and HST faint galaxy classification and image analysis software seems to offer a significant area of potential growth that we haven’t even begun to mine for what it is worth. The medical doctors that my group at ASU is working with are astonished to see how advanced the astronomical image processing is, and what we can do with the medical images. The comment I hear frequently from the medical folks is that it is “plainly immoral to not pursue this line of research, because of its potential enormous benefit for mankind.” I intend to pursue new ways of making this research happen.

### **(8) 3D Tactiles to Help Blind/Visually Impaired Students Study STEM Materials and Images:**

Starting in 2012, I led a team a group of faculty and researchers in ASU Life Sciences, ASU Engineering and SESE to use 3D tactile surfaces to help blind and visually impaired students study STEM materials from images. This includes a concept to make a fully movable 3D tactile surface that fits on top of iPhones or iPads using temperature/current sensitive Hydrogel pixels. Details on this 3D tactile project can be found on: <http://windhorst113.asu.edu/> (see Syllabus) ; [https://asunews.asu.edu/20120821\\_3dimagine](https://asunews.asu.edu/20120821_3dimagine) ; and [https://asunews.asu.edu/20120827\\_windhorst](https://asunews.asu.edu/20120827_windhorst) .

**(8) Selected Web-sites of NASA Hubble Press Releases on my Research:**

- <http://hubblesite.org/news/1995/08>
- <http://hubblesite.org/news/2001/04>
- <http://hubblesite.org/news/2003/05>
- <http://hubblesite.org/news/2004/28>
- <http://hubblesite.org/news/2009/25>
- <http://hubblesite.org/news/2009/32>
- <http://hubblesite.org/news/2010/22>
- <http://hubblesite.org/news/2011/04>
- <http://hubblesite.org/news/2014/27>
- <http://hubblesite.org/news/1996/29>
- <http://hubblesite.org/news/2001/37>
- <http://hubblesite.org/news/2004/07>
- <http://hubblesite.org/news/2006/04>
- <http://hubblesite.org/news/2009/29>
- <http://hubblesite.org/news/2010/01>
- <http://hubblesite.org/news/2010/38>
- [https://asunews.asu.edu/20120821\\_3dimagine](https://asunews.asu.edu/20120821_3dimagine)
- <http://webbtelescope.org/articles/2018-23>

**APPENDIX 2. TEACHING EXPERIENCE**

**1. Undergraduate Lecture Courses Taught at ASU**

Course	Year	Title	Student Evaluation <sup>a</sup>		Total No. of Students
			Item 10	Avg. 1-10	
AST 111	Fall 88	Introduction to Solar System Astronomy	1.92	1.77	143
AST 111	Fall 90	Introduction to Solar System Astronomy	1.84	1.88	144
AST 111	Fall 91	Introduction to Solar System Astronomy	1.93	1.87	243
AST 111	Fall 92	Introduction to Solar System Astronomy	–	– <sup>b</sup>	141
AST 111	Summer 96	Introduction to Solar System Astronomy	1.74	1.64	057
AST 111	Fall 97	Introduction to Solar System Astronomy	1.80	1.80	134
AST 111	Fall 98	Introduction to Solar System Astronomy	2.03	2.08	140
AST 111	Fall 01	Introduction to Solar System Astronomy	1.81	1.89 <sup>c</sup>	140
AST 111	Fall 03	Introduction to Solar System Astronomy	1.98	1.87 <sup>c</sup>	140
AST 111	Fall 04	Introduction to Solar System Astronomy	1.40	1.53 <sup>c</sup>	92
AST 112	Spring 89	Introduction to Stars, Galaxies and Cosmology	1.68	1.73	134
AST 112	Spring 92	Introduction to Stars, Galaxies and Cosmology	–	– <sup>b</sup>	127
AST 112	Spring 93	Introduction to Stars, Galaxies and Cosmology	2.09	2.14	130
AST 112	Spring 96	Introduction to Stars, Galaxies and Cosmology	1.97	1.90	212
AST 112	Spring 02	Introduction to Stars, Galaxies and Cosmology	1.68	1.71 <sup>c</sup>	144
AST 112	Spring 05	Introduction to Stars, Galaxies and Cosmology	2.12	2.01 <sup>c</sup>	200

*Notes:*

<sup>a</sup> Teaching evaluation by students on scale of 1–5 (1 being best). Item 10 gives overall rating by students.

<sup>b</sup> Student survey was not done because Department changed (temporarily) to reviews every three years.

<sup>c</sup> This section contained one or several Barrett Honors College students.

1. Undergraduate Lab Courses Taught at ASU (continued)

Course	Year	Title	Student Evaluation <sup>a,b</sup>		Total No. of Students
			Item 10	Avg. 1-10	
AST 125	Fall 87	Astronomy Lab I	–	–	043
AST 126	Spring 88	Astronomy Lab II	–	–	049
AST 125	Fall 89	Astronomy Lab I	–	–	140
AST 126	Spring 90	Astronomy Lab II	–	–	208
AST 125	Fall 94	Astronomy Lab I	–	–	309
AST 126	Spring 95	Astronomy Lab II	–	–	352
AST 125	Fall 95	Astronomy Lab I	–	–	350
AST 113	Fall 05	Astronomy Lab I	–	– <sup>c</sup>	384
AST 114	Spring 06	Astronomy Lab I	–	– <sup>c</sup>	384
SES 103	Fall 06	Space Exploration Lab I	1.31	1.67 <sup>c</sup>	024
SES 104	Spring 07	Space Exploration Lab II	2.87	1.67 <sup>c</sup>	024
AST 113	Fall 08	Astronomy Lab I	–	– <sup>c</sup>	384
AST 113	Fall 09	Astronomy Lab I	–	– <sup>c</sup>	550
AST 113	Fall 10	Astronomy Lab I	–	– <sup>c</sup>	550
AST 113	Fall 11	Astronomy Lab I	–	– <sup>c</sup>	550
AST 113	Fall 12	Astronomy Lab I	–	– <sup>c,d</sup>	525
AST 113	Fall 13	Astronomy Lab I	–	– <sup>c,d</sup>	450
AST 113	Fall 15	Astronomy Lab I	–	– <sup>c,d</sup>	432
AST 113	Fall 16	Astronomy Lab I	–	– <sup>c,d</sup>	408
AST 113	Fall 17	Astronomy Lab I	–	– <sup>c,d</sup>	408
AST 114	Spring 09	Astronomy Lab II	–	– <sup>c</sup>	500
AST 114	Spring 10	Astronomy Lab II	–	– <sup>c</sup>	550
AST 114	Spring 13	Astronomy Lab II	–	– <sup>c,d</sup>	450
AST 114	Spring 14	Astronomy Lab II	–	– <sup>c,d</sup>	425
AST 114	Spring 16	Astronomy Lab II	–	– <sup>c,d</sup>	432
AST 114	Spring 17	Astronomy Lab II	–	– <sup>c,d</sup>	408

Notes:

<sup>a</sup> Teaching evaluation by students on scale of 1–5 (1 being best). Item 10 gives overall rating by students.

<sup>b</sup> I'm involved in teaching several Lab sections myself, but student survey is only done by the unit for TA's. Faculty peer-reviews of my teaching are on file (with very good to excellent reviews).

<sup>c</sup> This section contained one or several Barrett Honors College students.

<sup>d</sup> This section used the 3D-tactiles for visually impaired or blind students.

1. Upper Division and Graduate Courses Taught at ASU

Course	Year	Title	Student Evaluation <sup>a</sup> Item 10	Avg. 1-10	Total No. of Students
AST 422	Spring 03	Cosmology	1.14	1.43 <sup>b</sup>	007
AST 422	Spring 07	Cosmology	2.00	1.57 <sup>b</sup>	006
AST 500	Fall 95, 06	Astron. Techniques (w/ Scowen)	1.75	1.83	012
AST 598	Fall 00	Astron. Techniques (w/ Odewahn)	2.00	1.86	007
AST 598	Spring 97	Observational Cosmology	2.13	1.94	008
AST 598	Spring 99	Observational Cosmology	1.56	1.47	009
AST 598	Spring 00	Extragalactic Astronomy	2.20	2.16	005
AST 598	Fall 02	Galaxies III: Observational cosmology	1.25	1.28	005
AST 533	Spring 04	Galaxies III: Observational cosmology	1.63	1.62	008
AST 492/592	1987-present	Astrophysics Undergrad Research	–	– <sup>b,c</sup>	027
AST 599	1987-present	Astrophysics Master Thesis	–	– <sup>c</sup>	010
PHY 500	2008-present	Physics Research Rotation	–	– <sup>c</sup>	006
AST 792	1987-present	Astrophysics Graduate Research	–	– <sup>c</sup>	036
AST 799	1987-present	Astrophysics Ph.D. Dissertation	–	– <sup>c</sup>	032
AST491/591	Spring 91	Astronomy Journal Club	–	–	012
AST491/591	Spring 98	Astronomy Journal Club	–	–	012
AST491/591	Fall 99	Astronomy Journal Club	1.00	1.00	008
AST491/591	Fall 02	Astronomy Journal Club	1.00	1.03	010
AST491/591	Fall 06	Astronomy Journal Club	1.00	1.50	010
AST491/591	Fall 08	Astronomy Journal Club	–	–	010
AST491/591	Spring 10	Astronomy Journal Club	–	–	012
AST491/591	Fall 10	Astronomy Journal Club	–	–	012

*Notes:*

<sup>a</sup> Teaching evaluation by students on scale of 1–5 (1 being best). Item 10 gives overall rating by students.

<sup>b</sup> This section contained one or several Barrett Honors College students.

<sup>c</sup> I meet with all students in my research group once a week (Fr. pm) to assign projects, train all students, monitor progress, and discuss specific research aspects, skills, and progress on papers and proposals. Daily training further occurs in the Lab, and/or in personal meetings with the students.

**1. Upper Division and Graduate Courses Taught at ASU (different evaluation scale starting in 2011).**

Course	Year	Title	Student Evaluation <sup>a</sup> Item 1	Avg. 1-5	Total No. of Students
AST 112	Spring 14	Introduction to Stars, Galaxies and Cosmology	4.0/5	3.2/5 <sup>b,c</sup>	176
AST 112	Spring 17	Introduction to Stars, Galaxies and Cosmology	4.0/5	3.2/5 <sup>b,c</sup>	150
AST 422	Spring 11	Cosmology	4.3/5	4.3/5 <sup>b</sup>	010
AST 422	Spring 12	Cosmology	4.0/5	3.9/5 <sup>b</sup>	010
AST 322	Spring 18	Cosmology	TBD	TBD <sup>b</sup>	060

*Notes:*

<sup>a</sup> Starting in 2011, the teaching evaluation scale changed to 1–5 with 5 being best. Item 1 is overall rating.

<sup>b</sup> This section contained one or several Barrett Honors College students.

<sup>c</sup> This section used the 3D-tactiles for visually impaired or blind students.

**1. Class Webpages of Courses Taught at ASU (continued)**

Course	Title	URL of Class Website
SES 103	Space Exploration Lab I	<a href="http://windhorst103.asu.edu/">http://windhorst103.asu.edu/</a>
SES 104	Space Exploration Lab II	<a href="http://windhorst104.asu.edu/">http://windhorst104.asu.edu/</a>
AST 111	Intro to Solar System Astronomy	<a href="http://windhorst111.asu.edu/">http://windhorst111.asu.edu/</a>
AST 112	Intro to Stars, Galaxies & Cosmology	<a href="http://windhorst112.asu.edu/">http://windhorst112.asu.edu/</a>
AST 113	Astronomy Lab I	<a href="http://windhorst113.asu.edu/">http://windhorst113.asu.edu/</a>
AST 114	Astronomy Lab II	<a href="http://windhorst114.asu.edu/">http://windhorst114.asu.edu/</a>
AST 125	Astronomy Lab I	<a href="http://windhorst113.asu.edu/">http://windhorst113.asu.edu/</a>
AST 126	Astronomy Lab II	<a href="http://windhorst114.asu.edu/">http://windhorst114.asu.edu/</a>
AST 322	Cosmology	<a href="http://windhorst322.asu.edu/">http://windhorst322.asu.edu/</a>
AST 422	Cosmology	<a href="http://windhorst422.asu.edu/">http://windhorst422.asu.edu/</a>
AST 500	Astron. Techniques (w/ Scowen)	<a href="http://windhorst500.asu.edu/">http://windhorst500.asu.edu/</a>
PHY 500	Astrophysics Research Rotation	<a href="http://windhorst500.asu.edu/">http://windhorst500.asu.edu/</a>
AST 598	Astron. Techniques (w/ Odewahn)	<a href="http://windhorst598.asu.edu/">http://windhorst598.asu.edu/</a>
AST 598	Observational Cosmology	<a href="http://windhorst598.asu.edu/">http://windhorst598.asu.edu/</a>
AST 598	Extragalactic Astronomy	<a href="http://windhorst598.asu.edu/">http://windhorst598.asu.edu/</a>
AST 532	Galaxies II: Galaxies	<a href="http://windhorst532.asu.edu/">http://windhorst532.asu.edu/</a>
AST 533	Galaxies III: Cosmology	<a href="http://windhorst533.asu.edu/">http://windhorst533.asu.edu/</a>

**APPENDIX 2. TEACHING EXPERIENCE (continued)**

**2. Postdocs, Graduate Students, and Undergraduate Students while at ASU**

The following postdocs and students have been on my payroll, and/or did research with me at ASU (some students are from other Universities). For details, see my bibliography or list of grants.

Name	Period	Research topic	Current or last known position
<i>Postdocs and Research Scientists mentored at ASU:</i>			
S. Driver	05/94-08/95	Faint Galaxy Evolution with HST	Faculty at U. Perth (Australia)
S. Odewahn	07/95-04/97	Faint Galaxy Classifications with HST	Resident Astronomer at UT Austin (TX)
	08/99-11/03	Faint Galaxy Studies & Image Processing	
M. Corbin	06/04-06/06	Dwarf Galaxy Formation in the local universe	Research Scientist at USNO
P. Eskridge	09/01-09/06	Sabbatical visit: HST Nearby Galaxy Studies	Faculty at Minnesota State Univ.
E. Richards	08/99-07/00	Hubble Fellow: Faint Radio Sources	Dept. Chair at Talladega Coll. (AL)
P. Schmidtke <sup>1</sup>	06/92-06/95	The HST Medium Deep Survey	Faculty at ASU West
I. Waddington	01/98-09/00	HST/NICMOS imaging of high z Galaxies	Research in Industry (Sussex, UK)
K. Tamura	01/10-01/11	Seyfert/AGN—Starformation Connection	Faculty at Naruto University (Japan)
L. Jiang	09/11-02/15	Hubble Fellow on $z \simeq 6$ Galaxies	Faculty at Kavli Inst. (Beijing, China)
H. Kim	08/13-07/14	WFC3 Nearby Galaxy Stellar Populations	IGRINS Postdoc at UT Austin (TX)
M. Mechtley	12/15-01/17	Host Galaxies of $z \simeq 2$ & $z \simeq 6$ QSOs	Software Industry
R. Jansen	10/01-present	Galaxy Studies with HST	Research Associate at ASU
S. Cohen	06/03-present	JWST Simulations of HST Deep Fields	Research Associate at ASU
R. Morgan	06/12-present	Numerical $\Lambda$ CDM Cosmological Models	Retired from Industry
K. Olsen	08/15-present	Interstellar Gas in Young Galaxies & AGN	SESE Fellow at ASU
R. Groess	08/16-present	Nearby Galaxy Studies with HST	Research Associate at ASU

<sup>1</sup> Postdoc shared with Prof. A. Cowley.



2. Postdocs, Graduate Students, and Undergraduate Students while at ASU (continued)

Name	Period <sup>1</sup>	Research topic <sup>1</sup>	Current or last known position
<i>Graduate Students supervised in ASU Physics or SESE:</i>			
A. Ferro <sup>2</sup>	07/90-06/93	HST Imaging of Faint Radio Galaxies	NICMOS Programmer at UofA
D. Mathis	05/88-04/91 05/91-09/98	Imaging of Radio Galaxies (Masters) The US ROSAT Deep Survey (Ph.D.)	S/W specialist at Lockheed (AZ)
S. Mutz	01/93-12/98	Evolution of Galaxy Light-Profiles (Ph.D.)	Faculty, Scottsdale Com. Col. (AZ)
L. Neuschaefer	05/88-12/92	Evolution of Galaxy Clustering (Ph.D.)	Software Specialist at IIS (CO)
S. Pascarelle	05/92-08/97	HST Imaging of z=2.4 Clusters (Ph.D.)	Research Scientist at AACISD (MD)
J. Ponder <sup>3</sup>	08/95-01/98	The Evolution of Barred HST Galaxies	IBM scientist in Columbus (OH)
A. Ponder	08/96-01/98	Internet deployment in elementary education	Teacher in Columbus (OH)
C. Chiarenza	08/96-07/01	UV-imaging of Nearby Early-Type galaxies	Faculty at Stark College (OH)
S. Cohen	04/96-05/03	B-band Counts vs. Morphological Type	Senior Research Scientist at ASU
H.-J. Yan	01/99-05/03	The LF of Galaxies around Reionization	Faculty at Univ. of Missouri (MO)
V. Taylor	01/99-12/05	UV-imaging of Nearby Late-Type galaxies	Faculty at U. Kentucky (KY)
J. Russell	08/02-11/06	HST Imaging of milliJansky Radio Sources	US Army Material Fellow
S. Finkelstein <sup>4</sup>	05/06-07/08	Studies of High Redshift Ly $\alpha$ Emitters	Faculty at UT Austin (TX)
N. Hathi	01/02-05/08	HST Studies of Galaxies at Redshifts z=1–6	Senior Postdoc at Marseille
R. Ryan	08/03-07/08	The Epoch Dependent Merger Rate	Senior Postdoc at STScI
A. Straughn	01/03-07/08	HUDF Tadpole Galaxies & Star-Formation	Civil Servant at NASA GSFC
A. Mott	05/06-12/08	The Evolution of Faint Radio Sources	Industry in Tempe AZ
M. Horning	08/08-05/09	UV Instrument Calibration (w/ R. Jansen)	Industry in Arizona
L. Echevarria	08/00-08/08	Shapelet studies of Galaxy Structure	Highschool Teacher in Tempe
K. Tamura	01/02-11/09	UV–near-IR Studies of Nearby Galaxies	Faculty at Naruto University
R. Behkam <sup>4</sup>	01/03-12/10	Theoretical Cosmology with GRBS's	Postdoc at UC Davis (CA)
B. Gleim	08/08-05/10	ASU Planetarium Outreach (w/ S. Semken)	Highschool Teacher in AZ
K. Kaleida	08/07-09/11	SF in Nearby Galaxies (w/ P. Scowen)	Scientific Staff at CTIO (Chile)
B. Regan	08/10-05/11	Seyfert/AGN—Starformation Connection	PHY Graduate student at ASU
S. Moffet	08/10-05/11	Seyfert/AGN—Starformation Connection	PHY Graduate student at ASU
Z. Yun	08/10-05/11	NASA SWIFT Imaging of Lyman-alpha Blobs	PHY Graduate student at ASU
R. Morgan <sup>5</sup>	08/02-05/12	Numerical $\Lambda$ CDM Cosmological Models	Retired from Industry
H. Kim	08/05-12/12	WFC3 Nearby Galaxy Stellar Populations	IGRINS Postdoc at UT Austin (TX)
T. Veach	08/07-12/12	Space Instrumentation (w/ P. Scowen)	Instrumentation Postdoc at JPL
P. Hegel	01/11-12/12	NASA SWIFT Imaging of Lyman-alpha Blobs	Industry in Arizona
M. Rutkowski	08/08-05/13	UV Properties of High-z Early-type Galaxies	Postdoc at Stockholm
M. Mechtley	08/09-01/14	Host Galaxies of z $\approx$ 2 & z $\approx$ 6 QSOs	Software Industry

Notes:

<sup>1</sup> Students with a Ph.D. topic or degree (defense date is at the end of the indicated Period).

<sup>2</sup> Student supervised together with Prof. S. Wyckoff.

<sup>3</sup> Student supervised together with Prof. D. Burstein.

<sup>4</sup> Student supervised together with Prof. J. Rhoads & S. Malhotra.

<sup>5</sup> Student supervised together with Prof. E. Scannapieco.

**2. Postdocs, Graduate Students, and Undergraduate Students while at ASU (continued)**

Name	Period <sup>1</sup>	Research topic <sup>1</sup>	Current or last known position
<i>Graduate Students supervised in ASU Physics or SESE:</i>			
P. Nguyen	08/12-05/15	HST studies of High Redshift Galaxies	Outreach faculty, Arizona Sc. Center
K. Emig <sup>2</sup>	08/13-07/15	Cosmic Sources of IceCube neutrinos	Senior Graduate student, Leiden Univ.
T. Shin	08/13-05/15	HST studies of High Redshift Clusters	Senior Graduate student at U. Penn.
E. Buie <sup>3</sup>	08/16-08/17	Identification of double-lobed LOFAR sources	SESE Graduate student at ASU
<i>Graduate Students Currently being Supervised in ASU Physics or SESE:</i>			
T. Ashcraft	08/08-present	Galaxy Sizes vs. Wavelength and Redshift	SESE Graduate student at ASU
R. Sarmiento <sup>3</sup>	08/12-present	HST studies of High Redshift Galaxies	Iridium Systems Engineer (Boeing, AZ)
B. Smith	08/12-present	High Redshift Galaxies (w/ S. Malhotra)	SESE Graduate student at ASU
D. Kim <sup>4</sup>	08/12-present	Detailed Dust studies in Nearby Galaxies	SESE Graduate student at ASU
B. Joshi <sup>5</sup>	08/13-present	HST studies of High Redshift Galaxy Groups	SESE Graduate student at ASU
G. Vance <sup>2</sup>	05/16-present	Cosmic Sources of IceCube neutrinos	SESE Graduate student at ASU
R. Holton <sup>6</sup>	08/16-present	3D Tactiles for Blind Students	SESE Graduate student at ASU
N. Mahesh <sup>7</sup>	08/16-present	Identification of double-lobed LOFAR sources	SESE Graduate student at ASU
K. Kim <sup>8</sup>	01/17-present	Solar gravitational field from VLBI sources	SESE Graduate student at ASU
<i>Graduate Students co-supervised in other ASU Departments or Schools:</i>			
A. Casano	08/05-05/09	C-fibers in Diabetic Type II patients	Postdoc at UCLA (CA)
J. Brower	08/07-05/09	C-fibers in Diabetic Type II patients	Postdoc at Banner Health
L. Burnett	05/04-08/07	C-fibers in Diabetic Type II patients	Postdoc at UWash Medical Center
L. Harris	05/12-08/14	3D Tactiles for Blind Students	ASU graduate in military
A. Gonzales	05/12-05/15	3D Tactiles for Blind Students	ASU graduate in education
<i>Graduate Students trained at other Universities:</i>			
M. Oort	01/83-09/87	Deep Radio Surveys (Ph.D. at Leiden)	Mgr. at Fokker Aerospace (NL)
J. Lowenthal	01/90-08/92	Ultradeep VLA Surveys (Ph.D. at UofA)	Faculty at Amherst (MA)
E. Richards	08/93-05/99	Ultradeep VLA Surveys (Ph.D. at UVA)	Dept. Chair, Talladega Coll. (AL)

*Notes:*

- <sup>1</sup> Students with a Ph.D. topic or degree (defense date is at the end of the indicated Period).
- <sup>2</sup> Student supervised together with Prof. C. Lunardini (ASU Physics).
- <sup>3</sup> Student supervised together with Prof. E. Scannapieco.
- <sup>4</sup> Student supervised together with Dr. R. A. Jansen.
- <sup>5</sup> Student supervised together with Prof. S. Malhotra & J. Rhoads.
- <sup>6</sup> Student supervised together with Dr. P. Scowen
- <sup>7</sup> Student supervised together with Prof. J. Bowman
- <sup>8</sup> Student supervised together with Prof. P. Davies (ASU Physics).
- <sup>9</sup> Student supervised together with Prof. S. Borthakur

**2. Postdocs, Graduate Students, and Undergraduate Students while at ASU (continued)**

Name	Period <sup>1</sup>	Research topic <sup>1</sup>	Current or last known position
<i>Undergraduate Students supervised at ASU Physics or SESE:</i>			
J. Ensworth	05/91-08/92	HST Images of Distant Radio Galaxies	ASU graduate in education
L. Schroeder	05/92-08/92	Image processing for Medium Deep Survey	ASU graduate in industry
J. Gordon	05/91-08/93	Deconvolution of HST Galaxy images	ASU graduate in industry
E. Ostrander	08/93-12/94	The HST Medium Deep Survey	ASU graduate at Intel
B. Franklin	08/91-07/95	Evolution of the Galaxy Merger Rate	ASU graduate private sector
D. Kasen	08/97-12/97	Spectroscopy of faint HST-galaxies	Faculty at Stanford (CA)
C. Barragan	08/97-05/98	UV-imaging of nearby galaxies	ASU graduate in industry
J. Goodwin	05/98-08/98	Faint HST Galaxy images	ASU graduate in industry
T. Keck	01/96-05/01	The HST B-band Parallel Survey	ASU graduate private sector
J. Johnson	01/03-05/04	UV-imaging of nearby HST galaxies	ASU graduate in industry
J. Bruursema	08/03-12/04	HST Zodi Background and the Kuiper Belt	Graduated at JHU
A. Aloï	05/03-01/05	HST Zodi Background and the Kuiper Belt	ASU graduate in industry
J. Rogers	08/03-01/05	HST Zodi Background and the Kuiper Belt	Graduated at JHU
C. Ellinger	05/04-05/05	Magellan Imaging of Distant Galaxies	ASU graduate in industry
A. Mott	05/04-05/05	Surface Photometry of Edge-on Bulges	ASU graduate in industry
S. Bennett	08/05-05/06	Ground-based Imaging of Dwarf Galaxies	ASU graduate in industry
R. Jarnagin	08/05-05/06	HST Imaging of Dwarf Galaxies	ASU graduate in industry
K. Schneider	08/05-05/07	Spacecraft design for NASA Missions	ASU graduate in industry
M. Mechtley	07/06-05/08	Appreciating Hubble at Hyperspeed	Software Industry
D. Cox	08/07-05/08	C-fibers in Diabetic Type II patients	ASU graduate in industry
M. Jenners	08/07-05/08	Early Stages of the Universe	ASU graduate in industry
C. Rider	08/07-05/08	UV Properties of Nearby Galaxies	ASU graduate in industry
G. Hintzen	08/05-05/09	IR Studies of High-z Galaxies	ASU graduate at Lockheed
D. Blyth	08/08-05/09	UV Studies of Nearby Galaxies	ASU graduate in industry
J. Wilenchik	08/08-05/09	Alternative Cosmological Models	ASU graduate in industry
S. Dunn	08/09-08/10	UV Studies of Nearby Galaxies	ASU graduate in industry
M. Benton	08/10-06/11	NASA SWIFT Imaging of Lyman-alpha Blobs	Faculty at Community College
I. Blackburn	08/10-06/11	HST studies of High Redshift Galaxies	ASU graduate in industry
P. Hegel	05/10-07/12	NASA SWIFT Imaging of Lyman-alpha Blobs	ASU graduate in industry
B. Smith	05/11-07/12	High Redshift Gravitational Lensing Bias	ASU graduate student
R. Sarmento	05/11-07/12	HST studies of High Redshift Galaxies	ASU graduate student
M. Hellman	04/12-12/12	HST studies of High Redshift Galaxies	ASU graduate
T. Woyner	04/12-05/13	HST studies of High Redshift Galaxies	ASU graduate in industry
C. Ignatowski	04/13-01/14	HST studies of High Redshift Galaxies	ASU graduate in industry
H. Hutchison	04/12-05/14	HST studies of the Zodiacal Light	ASU graduate in industry
M. Mein	04/12-05/14	HST studies of High Redshift Galaxies	ASU graduate in industry
A. Brokaw	12/12-08/14	HST studies of High Redshift Galaxies	ASU graduate in industry
J. Trahan	01/14-12/14	HST studies of High Redshift Galaxies	ASU graduate
M. Lopes-alves	05/14-12/14	HST studies of High Redshift Galaxies	ASU graduate in Brazil

*Notes:*

<sup>1</sup> Students with a Ph.D. topic or degree (defense date is at the end of the indicated Period).

**2. Postdocs, Graduate Students, and Undergraduate Students while at ASU (continued)**

Name	Period <sup>1</sup>	Research topic <sup>1</sup>	Current or last known position
<i>Undergraduate Students supervised at ASU Physics or SESE:</i>			
J. Dietrich	05/14-09/14	LBT U-band imaging of CANDELS fields	Harvard graduate student
F. de Souza	05/14-12/14	HST studies of High Redshift Galaxies	ASU graduate
T. Shewcraft	04/12-05/15	Spatially-resolved LMC extinction corrections	ASU graduate
S. Burkhart	04/13-05/15	HST studies of High Redshift Galaxies	ASU graduate
I.Meisenheimer	01/14-05/15	HST studies of Escaping LyC Radiation	ASU graduate
A. Abul-Haj	01/14-05/15	HST studies of High Redshift Galaxies	ASU graduate
E. Hasper	08/11-07/15	3D Tactiles for Blind Students	High school teacher, Phoenix
A. Aubry	08/14-07/15	3D Journey in the Hubble UltraDeep Field	Grad student, Embry-Riddle
A. Warren	04/13-12/15	WFC3 Nearby Galaxy Stellar Populations	ASU graduate in industry
K. Klappmeyer	08/14-08/16	HST studies of Nearby Stellar Populations	ASU graduate
B. Monus	01/15-08/15	HST studies of High Redshift Galaxies	ASU undergraduate student
J. Vehonsky	01/15-05/16	LBT U-band imaging of CANDELS fields	ASU graduate
S. Zhang	01/15-08/16	HST studies of High Redshift Galaxies	ASU undergraduate student
S. Stawinski	08/15-05/17	Identification of double-lobed LOFAR sources	ASU graduate
J. Robinson	08/15-05/17	HST studies of $z \approx 2$ Quasars	ASU undergraduate student
C. Companik	05/17-12/17	Predictions for Cluster Caustic Transits	ASU undergraduate student
M. Ruppert	05/14-present	HST studies of High Redshift Galaxies	ASU undergraduate student
V. Jones	08/15-present	HST studies of Distant Quasar Populations	ASU undergraduate student
C. White	08/15-present	HST studies of Escaping LyC Radiation	ASU undergraduate student
G. Huckabee	05/16-present	Numerical $\Lambda$ CDM Cosmological Models	ASU undergraduate student
P. Rybak	05/16-present	HST studies of Escaping LyC Radiation	ASU undergraduate student
J. Blackburn	08/16-present	HST studies of High Redshift Galaxies	ASU undergraduate student
T. Tyburczy	05/17-present	Detailed Dust studies in Nearby Galaxies	ASU undergraduate student
K. Blomquist	08/17-present	Predictions for Cluster Caustic Transits	ASU undergraduate student
N. Mains	08/17-present	LBT U-band imaging of the Andromeda galaxy	ASU undergraduate student
G. Rand	08/17-present	Detailed Dust studies in Nearby Galaxies	ASU undergraduate student
H. Tamayo	08/17-present	HST studies of High Redshift Galaxies	ASU undergraduate student

*Notes:*

<sup>1</sup> Students with a Ph.D. topic or degree (defense date is at the end of the indicated Period).

**2. Postdocs, Graduate Students, and Undergraduate Students while at ASU (continued)**

---

Name	Period <sup>1</sup>	Research topic <sup>1</sup>	Current or last known position
<i>Phoenix Area Highschool Students supervised for Research at ASU:</i>			
K. von Beringe	01/12-5/13	HST studies of High Redshift Galaxies	ASU undergraduate
M. Stephens	08/12-5/13	HST studies of High Redshift Galaxies	ASU undergraduate
N. Turley	01/12-5/13	HST studies of High Redshift Galaxies	Caltech undergraduate
G. Mooney	08/12-5/14	3D Tactiles for Blind Students	ASU undergraduate
J. Dowell	12/12-5/15	HST studies of High Redshift Galaxies	Phoenix high-school student
D. Rivera	05/14-5/15	HST studies of High Redshift Galaxies	ASU undergraduate student
H. Bradley	05/17-present	HST & Spitzer studies of Dust in Galaxies	Phoenix high-school student
A. Twibell	08/17-present	Ground-based data for JWST Time Domain Field	Hirshberger Scholars Academy

---

*Notes:*

<sup>1</sup> Students with a Thesis topic or degree (defense date is at the end of the indicated Period).

**APPENDIX 2. TEACHING EXPERIENCE (continued)**

**3. Graduate Exam Committees while at ASU**

Student	Date	Exam	Chair	Dept./College/Univ.
M. Oort	87/09/14	Ph. D.	van der Laan	University of Leiden, NL
J. Butler	88/03/04	Orals	Bennett	Physics & Astron., ASU
K. Joshi	88/05/05	Ph. D.	Ferri	Engineering, ASU
Seng Chang	88/07/21	Ph. D.	Tsong	Physics & Astron., ASU
M. Womack	88/11/21	Orals	Wyckoff	Physics & Astron., ASU
C. Landenburger	88/12/06	Masters	Wyckoff	Physics & Astron., ASU
L. Neuschaefer	89/11/28	Orals	Windhorst	Physics & Astron., ASU
J. Anderson	90/08/30	Orals	Stearns	Physics & Astron., ASU
Worthington	90/08/31	Orals	Tsong	Physics & Astron., ASU
D. Mathis	91/04/30	Masters	Windhorst	Physics & Astron., ASU
M. Womack	91/05/03	Ph. D.	Wyckoff	Physics & Astron., ASU
M. Kleine	91/12/19	Orals	Wyckoff	Physics & Astron., ASU
R. Rouse	92/02/20	Orals	Burstein	Physics & Astron., ASU
L. Neuschaefer	92/11/12	Ph. D.	Windhorst	Physics & Astron., ASU
D. Mathis	93/09/01	Orals	Windhorst	Physics & Astron., ASU
S. Mutz	94/01/24	Orals	Windhorst	Physics & Astron., ASU
S. Pascarelle	95/07/17	Orals	Windhorst	Physics & Astron., ASU
W. Xu	96/12/13	Ph. D.	MacMillan	Engineering, ASU
S. Pascarelle	97/07/23	Ph. D.	Windhorst	Physics & Astron., ASU
J. Ponder	97/08/19	Orals	Burstein	Physics & Astron., ASU
S. Cohen	97/11/24	Orals	Windhorst	Physics & Astron., ASU
C. Chiarenza-Burg	97/12/15	Orals	Windhorst	Physics & Astron., ASU
D. Mathis	98/09/01	Ph. D.	Windhorst	Physics & Astron., ASU
H. J. Yan	01/11/07	Orals	Windhorst	Physics & Astron., ASU
V. Taylor	01/11/09	Orals	Windhorst	Physics & Astron., ASU
Y. Li	01/12/17	Orals	Burstein	Physics & Astron., ASU
R. Rouse	02/11/27	Ph. D.	Burstein	Physics & Astron., ASU
S. Cohen	03/05/08	Ph. D.	Windhorst	Physics & Astron., ASU
H. J. Yan	03/05/09	Ph. D.	Windhorst	Physics & Astron., ASU
N. Hathi	03/10/17	Orals	Windhorst	Physics & Astron., ASU
L. Echevarria	03/11/17	Orals	Windhorst	Physics & Astron., ASU
V. Taylor	05/11/21	Ph. D.	Windhorst	Physics & Astron., ASU
S. Finkelstein	06/08/11	Orals	Windhorst	Physics & Astron., ASU
K. Tamura	06/10/20	Orals	Windhorst	Physics & Astron., ASU
A. Straughn	06/11/20	Orals	Windhorst	Physics & Astron., ASU
J. Q. Russell	06/11/21	Masters	Windhorst	Physics & Astron., ASU

**3. Graduate Exam Committees while at ASU (continued)**

Student	Date	Exam	Chair	Dept./College/Univ.
R. Ryan	08/01/22	Orals	Windhorst	Physics & Astron., ASU
H. Kim	08/03/20	Orals	Windhorst	S. of Earth & Space Explor.
N. Hathi	08/05/30	Ph. D.	Windhorst	Physics & Astron., ASU
A. Straughn	08/07/28	Ph. D.	Windhorst	Physics & Astron., ASU
R. Ryan	08/07/29	Ph. D.	Windhorst	Physics & Astron., ASU
S. Finkelstein	08/07/29	Ph. D.	Rhoads	Physics & Astron., ASU
R. Behkam	08/10/28	Orals	Windhorst	Physics & Astron., ASU
H. Kim	08/03/20	Orals	Windhorst	S. of Earth & Space Explor.
T. Veach	09/04/09	Orals	Scowen	Physics & Astron., ASU
M. Rutkowski	09/04/29	Orals	Windhorst	S. of Earth & Space Explor.
E. McLinden	09/05/21	Orals	Malhotra	S. of Earth & Space Explor.
K. Kaleida	09/05/29	Orals	Scowen	S. of Earth & Space Explor.
K. Tamura	09/11/24	Ph. D.	Windhorst	Physics & Astron., ASU
A. Loll	10/04/01	Ph. D.	Desch	Physics & Astron., ASU
B. Gleim	10/05/26	Masters	Windhorst	S. of Earth & Space Explor.
R. Behkam	10/11/22	Ph. D.	Windhorst	Physics & Astron., ASU
K. Kaleida	11/08/15	Ph. D.	Scowen/Windhorst	S. of Earth & Space Explor.
T. Ashcraft	11/08/30	Ph. D. Qualifying	Windhorst	S. of Earth & Space Explor.
R. Morgan	12/04/03	Ph. D.	Windhorst	Physics & Astron., ASU
H. Kim	12/11/19	Ph. D.	Windhorst	S. of Earth & Space Explor.
T. Veach	12/11/20	Ph. D.	Scowen	Physics & Astron., ASU
M. Rutkowski	13/04/05	Ph. D.	Windhorst	S. of Earth & Space Explor.
M. Mechtley	13/12/19	Ph. D.	Windhorst	S. of Earth & Space Explor.
D. Kim	14/04/30	Ph. D. Qualifying	Windhorst	S. of Earth & Space Explor.
P. Nguyen	14/11/26	Orals	Windhorst	S. of Earth & Space Explor.
K. Emig	15/07/10	Masters	Windhorst	S. of Earth & Space Explor.
B. Joshi	15/09/04	Ph. D. Qualifying	Windhorst	S. of Earth & Space Explor.
R. Sarmiento	15/12/15	Ph. D. Qualifying	Scannapieco	S. of Earth & Space Explor.
G. Vance	17/05/11	Ph. D. Qualifying	P. Young	S. of Earth & Space Explor.
G. Vance	18/05/08	Masters	Young/Windhorst	S. of Earth & Space Explor.
N. Mahesh	18/05/09	Ph. D. Qualifying	Bowman	S. of Earth & Space Explor.
B. Smith	18/05/10	Ph. D. Qualifying	Windhorst	S. of Earth & Space Explor.

### APPENDIX 3. SIGNIFICANT CONTRIBUTIONS TO TEACHING & PROFESSIONAL SERVICE

• **(1) Undergraduate teaching:** I believe that it is critical to provide high quality teaching in science, astronomy and cosmology to undergraduate students. My main goal is to provide them with a basic understanding of the cosmos through the application of simple principles of Physics and Mathematics, and boost the students' interest in science and how science applies to daily life. I very much enjoy teaching the large astronomy undergraduate courses (140–240 students per semester). I similarly enjoy developing and teaching the undergraduate astronomy Labs, which now enroll 420-550 students per semester. I increased the lab enrollment 10-fold in the 1990's, which was direly needed because of the enormous demand on these classes. In total, I taught over 10,000 students at ASU, or on average about 350/year.

**(1a) 3D-Tactiles for Visually Impaired/Blind Students:** I received a substantial NASA Hubble EPO outreach grant in 2012 to get 3D tactiles into the AST 113/114 Lab and AST 111/112 Lecture classroom to help visually impaired or blind students learn to use images in STEM courses at ASU. This project has been very successful, and we have a paper in press on it (Hasper et al. 2014) to the J. of College Science Teaching on “Methods for Creating and Evaluating 3D Tactile Images to Teach STEM Courses to Visually Impaired and Blind Students”. For details, please see URLs in Appendix 1.

**(1b) Extra Credit and Honors Projects in AST 111/112 Lectures:** During my AST 111/112 lecture classes, I made special efforts to increase the interest students have in the lower division courses, including students who want to do extra work for Barrett honors credit. The students take these classes in general only to fulfill a science requirement, so most students are at first poorly motivated. I catch their interest by announcing at the start of each semester that we'll have a special class project during this semester that will result in the “Great Debate on Extra-Terrestrials” on the last day of classes. The students can participate in this debate in either the “Pro-ET” or “Con-ET” team. Only one rule will govern the Debate, namely the students MUST use the scientific method, no matter which side of the debate they will argue. I then spend the entire semester teaching the class in the normal way, except that I will point out during the lecture every time a law of physics or an astronomical principle is relevant to the question as to whether or not ET's may exist, or may have visited the Earth. Almost every lecture some issue comes up that is relevant to this question. The students then get to prepare this Great Debate during the entire semester, and two groups of volunteers (a “Pro-ET” and a “Con-ET” group) get to lead out the discussion during the Great Debate, while presenting their materials for extra credit or Barrett honors credit (i.e. written reports, Web-sites, and/or Power-Point presentations). This has been a significant success, and I firmly believe it really has boosted the students interest in science, since the science class now relates to something they care about or have always wondered about. I have also noted that their average grades have increased on average as a result of this effort.

**(1c) Efficiently Catching Potential Cheaters in AST 111/112 Exams:** I used and refined my software package that allows to delete ambiguous questions in AST 111/112 tests, and find possible cheaters from any suspiciously large numbers of wrong answers in common between students who were sitting close together on the seating charts, and/or who are known to have communicated by voice, paper, cell-phone or internet during the exam. Typically, each exam consists of 50–100 multiple choice questions, each question with 4–5 possible answers, only one of which is correct. The 3–4 wrong answers to each question I have improved over the years to be roughly equally likely (or at least not so obviously wrong). The code then calculates the “normalized similarity”, which is the average RANDOM fraction of wrong answers that any student pair will have in common, which is about  $n_s = 0.22 \pm 0.08$  ( $1-\sigma$ ). I then find the number of student pairs who have a suspiciously large fraction wrong answers in common who were sitting close together, and/or who communicated by voice, paper, cellphone and/or internet during the exam. I then call in all students with  $n_s \geq 0.46$ – $0.50$  those for copying. Most will have been caught by me or the TA proctor noticing non-permitted voice, internet or cell phone use during the exam, and in a few cases I have subpoenaed surrounding witnesses, and/or cell-phone bills to track text messages during the exam. Most students who are caught copying at the  $\geq 3.0-\sigma$  level confess in my office (several every semester), and I have 27 years worth of confessions on file of those who have copied at the  $\geq 2.5$ – $3.0$  sigma level. The most blatant cases are given an E in the exam or the course, typically several students every semester. I tell students upfront that I do this to help make honest citizens out of all of them, and the method has been quite effective.



- **(2) Graduate teaching:** I believe that graduate students need to receive a thorough training in all aspects of cosmology: observations, data processing, analysis, modeling and interpretation. I very much enjoyed developing new graduate courses to give the students world-class training in this.

- **(3) Graduate student training:** I am committed to train graduate and undergraduate students in independent, world-class cosmology research, through weekly research meetings, seminars, journal clubs, and one-to-one work. They regularly publish their Ph. D. work in top-ranked journals (see over 300 papers incl. Windhorst on [http://adsabs.harvard.edu/abstract\\_service.html](http://adsabs.harvard.edu/abstract_service.html)), including a number of Dissertation papers in the prestigious journal Nature.

- **(4) Public outreach:** It is critical for a University to reach out to the local community, and help the general public understand the importance of the University and the value of science education. Hence, I enjoy giving popularizing lectures on campus or elsewhere in the valley each year. I involve my student in regular press releases, mostly related to the NASA/Hubble research in my group (see [hubblesite.org/news/2014/27](http://hubblesite.org/news/2014/27), [../2011/04](http://hubblesite.org/news/2011/04), [../2010/01](http://hubblesite.org/news/2010/01), [../2004/28](http://hubblesite.org/news/2004/28), [../2001/04](http://hubblesite.org/news/2001/04), [../2001/37](http://hubblesite.org/news/2001/37), [../1996/29](http://hubblesite.org/news/1996/29), and [../1995/08](http://hubblesite.org/news/1995/08)). I did a live KTAR radio talk-show during my AST 112 class on the NASA press release of that day.

- **(5) Departmental, School College, and University Service and Personnel Management:** I have been actively involved in helping the Department, School, College, and University function optimally, and advance their goals in various areas of operation. In particular, I served as at ASU as Associate Department Chair for six years, helping the Chair run the Department of Physics and Astronomy. In this position, I was responsible for: (a) assignment of all 50 graduate teaching assistants each semester; (b) making the teaching assignments of 40 faculty; (c) assist and advise the Chair in the daily operation of the Department, and resolve personnel conflicts; (d) run various Departmental Committees; (e) manage all Astronomy related issues in the Department.

- **(6) Service to the Astronomical Community:** I want to advance the cause of astronomy in the USA by being actively involved in various astronomy committees at the national and international level. I serve, and will continue to serve on several key committees in the astronomical community:

- (a) **The Hubble Space Telescope (HST):** I was particularly active in the Hubble Space Telescope Users Committee (STUC), which is a watch-dog of HST's reliability, efficiency, health, and budget. Here, I chaired the HST/STUC Independent Budget Review Committee, which reviewed the entire NASA HST-budget (240 M\$/year) for 10 years. I am an active member of the HST Parallel Working Group, who advises STScI how to best take (parallel) observations with all the Hubble instruments. I am a key member the Scientific Oversight Committee (SOC) of HST's Wide Field Camera 3 (WFC3), which supervised the design and construction of the 130 M\$ WFC3. WFC3 was successfully launched towards Hubble by the Space Shuttle astronauts in May 2009 to help keep Hubble operational till beyond 2020.

- (b) **The James Webb Space Telescope (JWST):** I am one of the world's six Interdisciplinary Scientists for the James Webb Space Telescope. JWST is the 6.5 meter sequel to Hubble that is to be launched in 2019. My responsibilities are to define the best JWST science, help the JWST Project define the optimal telescope and instrument performance, simulate JWST's actual performance, oversee the entire design, integration and testing phases of JWST, and after its launch carry out a vigorous research JWST program in 2019–2023 using 110 guaranteed hours of observing time. Starting in 2019, I will lead JWST studies on the assembly of galaxies at redshifts  $z=1-5$ , when the universe was a few billion years old, and lead a search for the first stars and star clusters that started shining at redshifts  $z=6-20$ , when the universe was less than one billion years old. My JWST work in these peer-reviewed projects is supported by NASA grants over 21 years.

## APPENDIX 4. BIBLIOGRAPHY

All my papers can be found on: [http://adsabs.harvard.edu/abstract\\_service.html](http://adsabs.harvard.edu/abstract_service.html)

*Note: In determining authorship order, my principle is to have a more junior author who worked under my close supervision listed first, such as my graduate students and postdocs. In such cases, I am usually listed as second or third author. If all authors contribute about equally, the order is usually alphabetic.*

### 1.a. Refereed papers (published or in press)

- 1) “New VBLUW Photometry of the X-ray Binary HD 153919 (4U 1700-37). The Optical Micro Variability of the O6.5f Supergiant”  
van Genderen, A. M., & Windhorst, R. A. 1981, *A&A*, 97, 79–84
- 2) “New VBLUW Observations of the X-ray Binary HD 153919 (4U 1700-37)”  
van Genderen, A. M., Windhorst, R. A., van Driel, W., Bakker, R., Wesselink, T. J. H., & Hammerschlag-Hensberge, G. 1981, *A&AS*, 44, 83–86
- 3) “Einstein X-ray Observations of Optical-Radio Selected Areas”  
Katgert, P., Thuan, T. X., & Windhorst, R. A. 1983, *ApJ*, 275, 1–7
- 4) “A Deep Westerbork Survey of Areas with Multicolor Mayall 4 m plates. I. The 1412 MHz Catalogue, Source Counts and Angular Size Statistics”  
Windhorst, R. A., van Heerde, G. M., & Katgert, P. 1984, *A&AS*, 58, 1–37
- 5) “A Deep Westerbork Survey of Areas with Multicolor Mayall 4 m Plates. II. Optical Identifications”  
Windhorst, R. A., Kron, R. G., & Koo, D. C. 1984, *A&AS*, 58, 39–87
- 6) “Near Infrared Photometry of Faint Radio Galaxies in Selected Areas”  
Thuan, T. X., Windhorst, R. A., Puschell, J. J., Isaacman, R. B., & Owen, F. N. 1984, *ApJ*, 285, 515–526
- 7) “Sub-MilliJansky 1.4 GHz Source Counts and Multicolor Studies of Weak Radio Galaxy Populations”  
Windhorst, R. A., Miley, G. K., Owen, F. N., Kron, R. G., & Koo, D. C. 1985, *ApJ*, 289, 494–513
- 8) “A Very Deep Westerbork Survey of a Field Previously Observed with the VLA”  
Oort, M. J. A., & Windhorst, R. A. 1985, *A&A*, 145, 405–424
- 9) “A Deep Westerbork Survey of Areas with Multicolor Mayall 4 m Plates. III. Photometry and Spectroscopy of Faint Source Identifications”  
Kron, R. G., Koo, D. C., & Windhorst, R. A. 1985, *A&A*, 146, 38–58
- 10) “A Westerbork Survey of the Einstein X-ray Observatory Deep Survey Areas. I. The 0.6 and 1.4 GHz Catalogues, Source Counts and Spectral Index Distributions”  
Katgert-Merkelijn, J. K., Robertson, J. G., Windhorst, R. A., & Katgert, P. 1985, *A&AS*, 61, 517–535
- 11) “VLA High Resolution Observations of Weak Leiden-Berkeley Deep-Survey (LBDS) Sources”  
Oort, M. J. A., Katgert, P., Steeman, F. W. M., & Windhorst, R. A. 1987, *A&A*, 179, 41–59
- 12) “A Direct Determination of the Linear Size Evolution of Elliptical Radio Galaxies”  
Oort, M. J. A., Katgert, P., & Windhorst, R. A. 1987, *Nature*, 328, 500–501 (Letter)
- 13) “6 cm Radio Source Counts and Spectral Index Studies down to 0.1 Milli-Jansky”  
Donnelly, R. H., Partridge, R. B., & Windhorst, R. A. 1987, *ApJ*, 321, 94–112

- 14) "A Deep 92 cm Survey of the Lynx Area"  
Oort, M. J. A., Steemers, W. J. G., & Windhorst, R. A. 1988, *A&AS*, 73, 103–123 (see also 1988, *A&A*, 195, 381)
- 15) "The WSRT 1.4 GHz Amalgamated Source Counts"  
Katgert, P., Oort, M. J. A., & Windhorst, R. A. 1988, *A&AL*, 195, 21–24
- 16) "New Limits to Fluctuations in the Cosmic Background Radiation at 4.86 GHz between 12 and 60 Arcsecond Resolution"  
Fomalont, E. B., Kellermann, K. I., Anderson, M. C., Weistrop, D., Wall, J. V., Windhorst, R. A., & Kristian, J. A. 1988, *AJ*, 96, 1187–1191
- 17) "The Discovery of a Young Radio Galaxy at  $z=2.390$ : Probing Initial Star Formation at  $z \gtrsim 3$ "  
Windhorst, R. A., Burstein, D., Mathis, D. F., Neuschaefer, L. W., Bertola, F., Buson, L. M., Koo, D. C., Matthews, K., Barthel, P. D., & Chambers, K. C. 1991, *ApJ*, 380, 362–383
- 18) "The Micro-Jansky Radio Source Population at 5 GHz"  
Fomalont, E. B., Windhorst, R. A., Kristian, J. A., & Kellermann, K. I. 1991, *AJ*, 102, 1258–1277
- 19) "The Current Ability of HST to Reveal Morphological Structure in Medium-Redshift Galaxies"  
King, I. R., Stanford, S. A., Seitzer, P., Bershady, M. A., Keel, W. C., Koo, D. C., Weir, N., Djorgovski, S., & Windhorst, R. A. 1991, *AJ*, 102, 1553–1569
- 20) "The Galaxy Two-Point Correlation Function down to  $V=26$  magnitudes on  $0.5^\circ$  Scales"  
Neuschaefer, L. W., Windhorst, R. A., & Dressler, A. 1991, *ApJ*, 382, 32–43
- 21) "The Ultraviolet Spectra of Nearby Radio Galaxies"  
Keel, W. C., & Windhorst, R. A. 1991, *ApJ*, 383, 135–147
- 22) "Deep Hubble Space Telescope Imaging of a Compact Radio Galaxy at  $z=2.390$ "  
Windhorst, R. A., Mathis, D. F., & Keel, W. C. 1992, *ApJL*, 400, 1–4
- 23) "Limits to Cosmic Background Radiation Fluctuations at 8.44 GHz between Angular Scales  $10''$  and  $200''$ "  
Fomalont, E. B., Partridge, R. B., Lowenthal, J. D., & Windhorst, R. A. 1993, *ApJ*, 404, 8–20
- 24) "Micro-Jansky Source Counts and Spectral Indices at 8.44 GHz"  
Windhorst, R. A., Fomalont, E. B., Partridge, R. B., & Lowenthal, J. D. 1993, *ApJ*, 405, 498–517
- 25) "Deep Hubble Space Telescope Imaging of 53W044: An S0 Radio Galaxy at  $z=0.311$ "  
Keel, W. C., & Windhorst, R. A. 1993, *AJ*, 106, 455–465
- 26) "Hubble Space Telescope Medium Deep Survey II: Deconvolution of WFC Field Galaxy Images in the  $13^h+43^\circ$  Field"  
Windhorst, R. A., Schmidtke, P. C., Pascarelle, S. M., Gordon, J. M., Griffiths, R. E., Ratnatunga, K. U., Neuschaefer, L. W., Ellis, R. S., Gilmore, G., Glazebrook, K., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., & Tyson, J. A. 1994, *AJ*, 107, 930–945
- 27) "Galaxy Pairs in Deep HST Images: Evidence for Evolution in the Galaxy Merger Rate"  
Burkey, J. M., Keel, W. C., Windhorst, R. A., & Franklin, B. E. 1994, *ApJL*, 429, 13–17
- 28) "Removing Cosmic Ray Hits from Multi-Orbit HST Wide Field Camera Images"  
Windhorst, R. A., Franklin, B. E., & Neuschaefer, L. W. 1994, *PASP*, 106, 798–806
- 29) "The  $\Theta$ - $z$  Relation for HST Bulges and Disks out to  $z \simeq 0.8$ "  
Mutz, S. B., Windhorst, R. A., Schmidtke, P. C., Pascarelle, S. M., Griffiths, R. E., Ratnatunga, K. U., Casertano, S., Im, M., Ellis, R. S., Glazebrook, K., Green, R. F., & Sarajedini, V. L. 1994, *ApJL*, 434, 55–58
- 30) "The Morphology of Faint Galaxies in Medium Deep Survey Images using WFPC2"  
Griffiths, R. E., Casertano, S., Ratnatunga, K. U., Neuschaefer, L. W., Ellis, R. S., Gilmore, G. F., Glazebrook, K., Santiago, B., Huchra, J. P., Windhorst, R. A., Pascarelle, S. M., Green, R. F., Illingworth, G. D., Koo, D. C., & Tyson, J. A. 1994, *ApJL*, 435, 19–22

- 31) “Deep HST Imaging of Distant Weak Radio and Field Galaxies”  
Windhorst, R. A., Gordon, J. M., Pascarelle, S. M., Schmidtke, P. C., Keel, W. C., Burkey, J. M., & Dunlop, J. S. 1994, *ApJ*, 435, 577–598
- 32) “The Hubble Space Telescope Medium-Deep Survey with the Wide Field and Planetary Camera. I. Methodology and Results on the Field Near 3C273”  
Griffiths, R. E., Ratnatunga, K. U., Neuschaefer, L. W., Casertano, S., Im, M., Wyckoff, E. W., Ellis, R. S., Gilmore, G. F., Elson, R. A. W., Glazebrook, K., Schade, D. J., Windhorst, R. A., Schmidtke, P. C., Gordon, J. M., Pascarelle, S. M., Illingworth, G. D., Koo, D. C., Bershad, M. A., Forbes, D. A., Phillips, A. C., Green, R. F., Sarajedini, V., Huchra, J. P., & Tyson, J. A. 1994, *ApJ*, 437, 67–82
- 33) “The Angular Two-Point Correlation Function of Galaxies down to  $B_J = 26$  magnitudes on  $\lesssim 10'$  Scales”  
Neuschaefer, L. W., & Windhorst, R. A. 1995, *ApJ*, 439, 14–28
- 34) “Observation and Reduction Methods of Deep Palomar 200 inch Four-shooter Mosaics”  
Neuschaefer, L. W., & Windhorst, R. A. 1995, *ApJS*, 96, 371–399
- 35) “Structure and Photometry of an  $I < 20.5$  Galaxy Sample from the Hubble Space Telescope Medium Deep Survey”  
Phillips, A. C., Bershad, M. A., Forbes, D. A., Koo, D. C., Illingworth, G. D., Reitzel, D. B., Griffiths, R. E., & Windhorst, R. A. 1995, *ApJ*, 444, 21–40
- 36) “Identifications of Faint Radio Sources with Optically Luminous Interacting Disk Galaxies”  
Windhorst, R. A., Fomalont, E. B., Kellermann, K. I., Partridge, R. B., Richards, E., Franklin, B. E., Pascarelle, S. M., & Griffiths, R. E. 1995, *Nature*, 375, No. 6531, 471–474 (Letter)
- 37) “The Morphological Mix of Field Galaxies to  $m_I = 24.25$  magnitudes ( $b_J \simeq 26$  magnitudes) from a Deep Hubble Space Telescope WFPC2 Image”  
Driver, S. P., Windhorst, R. A., Ostrander, E. J., Keel, W. C., Griffiths, R. E., & Ratnatunga, K. U. 1995, *ApJL*, 449, 23–27 (astro-ph/9511132)
- 38) “The Contribution of Late-type/Irregulars to the Faint Galaxy Counts in Hubble Space Telescope Medium Deep Survey Images”  
Driver, S. P., Windhorst, R. A., & Griffiths, R. E. 1995, *ApJ*, 453, 48–64 (astro-ph/9511123)
- 39) “Structural Parameters of Faint Galaxies from Pre-refurbishment Hubble Space Telescope Medium Deep Survey Observations”  
Casertano, S., Ratnatunga, K. U., Griffiths, R. E., Im, M., Neuschaefer, L. W., Ostrander, E. J., & Windhorst, R. A. 1995, *ApJ*, 453, 599–610
- 40) “The Serendipitous Discovery of a Group or Cluster of Young Galaxies at  $z \simeq 2.40$  in Deep Hubble Space Telescope WFPC2 Images”  
Pascarelle, S. M., Windhorst, R. A., Driver, S. P., Ostrander, E. J., & Keel, W. C. 1996, *ApJL*, 456, 21–24 (astro-ph/9512033)
- 41) “Hubble Space Telescope Counts of Elliptical Galaxies: Constraints on Cosmological Models?”  
Driver, S. P., Windhorst, R. A., Phillipps, S., & Bristow, P. D. 1996, *ApJ*, 461, 525–533 (astro-ph/9511141)
- 42) “A 3.5-Gyr Old Galaxy at Redshift 1.5”  
Dunlop, J. S., Peacock, J. A., Spinrad, H., Dey, A., Jimenez, R., Stern, D., & Windhorst, R. A. 1996, *Nature*, 381, No. 6583, 581–584 (Letter)
- 43) “The *Inferred* Redshift Distribution of the Faint Blue Galaxy Excess”  
Driver, S. P., Couch, W. J., Phillipps, S., & Windhorst, R. A. 1996, *ApJL*, 466, 5–8 (astro-ph/9605048)
- 44) “Deep, Wide-Field Spectrophotometry of the Open Cluster M67”

- Fan, X., Burstein, D., Chen, J. S., Zhu, J., Jiang, Z. J., Wu, H., Yan, H. J., Zheng, Z. Y., Zhou, X., Fang, L. Z., Chen, F. Z., Deng, Z. G., Chu, Y. Q., Hester, J. J., Windhorst, R. A., Li, Y., Lu, P., Sun, W.-H., Chen, W.-P., Tsay, W.-S., Chiueh, T.-H., Chou, C.-K., Ko, C.-M., Lin, T.-C., Guo, H.-J., & Byun, Y.-I. 1996, *AJ*, 112, 628–648 (astro-ph/9604178)
- 45) “Sub-Galactic Clumps at a Redshift of 2.39 and Implications for Galaxy Formation”  
Pascarelle, S. M., Windhorst, R. A., Keel, W. C., & Odewahn, S. C. 1996, *Nature*, 383, No. 6595, 45–50 (Article)
- 46) “Automated Morphological Classification in Deep Hubble Space Telescope UBV<sub>I</sub> Fields: Rapidly and Passively Evolving Faint Galaxy Populations”  
Odewahn, S. C., Windhorst, R. A., Driver, S. P., & Keel, W. C. 1996, *ApJL*, 472, 13–16
- 47) “Radio Emission from Objects in the Hubble Deep Field”  
Fomalont, E. B., Kellermann, K. I., Richards, E., Windhorst, R. A., & Partridge, B. P. 1997, *ApJL*, 475, 5–7
- 48) “The HST Medium-Deep Survey: Light Profiles and Redshifts for Field Galaxies with  $z \lesssim 0.6$ ”  
Schmidtke, P. C., Windhorst, R. A., Mutz, S. B., Pascarelle, S. M., Franklin, B. E., & Griffiths, R. E. 1997, *AJ*, 113, 569–584
- 49) “High-resolution *V*, *I*, and *K*-band Imaging of Faint Field Galaxies from the HST Medium-Deep Survey”  
Mutz, S. B., Windhorst, R. A., Wittman, D., Close, L. M., & McCarthy, D. W. 1997, *AJ*, 113, 1537–1547
- 50) “Detection of a Small Scale Microwave Background Decrement at 3.6 cm”  
Richards, E., Fomalont, E. B., Kellermann, K. I., Partridge, R. B., & Windhorst, R. A. 1997, *AJ*, 113, 1475–1482 (astro-ph/9612183)
- 51) “Small Scale Cosmic Microwave Background Observations at 8.4 GHz”  
Partridge, R. B., Richards, E. A., Fomalont, E. B., Kellermann, K. I., & Windhorst, R. A. 1997, *ApJ*, 483, 38–50
- 52) “LBDS 53W091: An Old, Red Galaxy at  $z=1.552$ ”  
Spinrad, H., Dey, A., Stern, D., Dunlop, J., Peacock, J., Jimenez, R., & Windhorst, R. 1997, *ApJ*, 484, 581–601 (astro-ph/9702233)
- 53) “CO (J=3–2) Emission in the Radio Galaxy 53W002 at  $z=2.394$ ”  
Scoville, N. Z., Yun, M. S., Windhorst, R. A., Keel W. C., & Armus, L. 1997, *ApJL*, 485, 21–24 (astro-ph/9706291)
- 54) “The Axis Ratio Distributions of Local and Distant Galaxies”  
Odewahn, S., Burstein, D., & Windhorst, R. A. 1997, *AJ*, 114, 2219–2231 (astro-ph/9709069)
- 55) “Deep Hubble Space Telescope/Planetary Camera Imaging of a Young Compact Radio Galaxy at  $z=2.390$ ”  
Windhorst, R. A., Keel, W. C., & Pascarelle, S. M. 1998, *ApJL*, 494, 27–31 (astro-ph/9712099)
- 56) “Morphological Number-Counts and Redshift Distributions to  $I < 26$  from the Hubble Deep Field: Implications for the Evolution of Ellipticals, Spirals and Irregulars”  
Driver, S. P., Fernandez-Soto, A., Couch, W. J., Odewahn, S. C., Windhorst, R. A., Phillipps, S., Lanzetta, K., & Yahil, A. 1998, *ApJL*, 496, 93–97 (astro-ph/9802092)
- 57) “Old high-redshift galaxies and primordial density fluctuation spectra”  
Peacock, J. A., Jimenez, R., Dunlop, J. S., Waddington, I., Spinrad, H., Stern, D., Dey, A., & Windhorst, R. A. 1998, *MNRAS*, 296, 1089–1097 (astro-ph/9801184)
- 58) “Ring Structure and Warp of NGC 5907 – Interaction with Dwarf Galaxies”  
Shang, Z. H., Zheng, Z. Y., Brinks, E., Chen, J. S., Burstein, D., Su, H. J., Byun, Y.-I., Deng, L. C., Deng, Z. G., Fan, X. H., Jiang, Z. J., Li, Y., Lin, W. P., Ma, F. Sun, W.-H., Wills., B.,

- Windhorst, R. A., Wu, H., Xia, X. Y., Xu, W., Xue, S. J., Yan, H. J., Zhou, X., Zhu, J., & Zou, Z. L. 1998, *ApJL*, 504, 23–26 (astro-ph/9806395)
- 59) “Radio Emission from Galaxies in the Hubble Deep Field”  
Richards, E. A., Kellermann, K. I., Fomalont, E. B., Windhorst, R. A., & Partridge, R. B. 1998, *AJ*, 116, 1039–1054 (astro-ph/9803343)
- 60) “Compact Lyman- $\alpha$  Emitting Candidates at  $z \simeq 2.4$  in Deep Medium-band *HST WFPC2* Images”  
Pascarelle, S. M., Windhorst, R. A., & Keel, W. C. 1998, *AJ*, 116, 2659–2666 (astro-ph 9809181)
- 61) “A Cluster or Filament of Galaxies at Redshift  $z=2.5$ ?”  
Campos, A., Yahil, A., Windhorst, R. A., Richards, E. A., Pascarelle, S., Impey, C., & Petry, C. 1999, *ApJL*, 511, 1–4 (astro-ph/9809146)
- 62) “Can the Reionization Epoch be Detected as a Global Signature in the Cosmic Background?”  
Shaver, P. A., Windhorst, R. A., Madau, P., & de Bruyn, G. 1999, *A&A*, 345, 380–390 (astro-ph/9901320)
- 63) “Deep Intermediate Band Surface Photometry of NGC 5907”  
Zheng, Z. Y., Shang, Z. H., Su, H. J., Burstein, D., Chen, J. S., Deng, Z. G., Byun, Y.-I., Chen, R., Chen, W.-P., Deng, L. C., Fan, X. H., Fang, L. Z., Hester, J. J., Jiang, Z. J., Li, Y., Lin, W. P., Lu, P., Sun, W.-H., Tsay, W.-S., Windhorst, R. A., Wu, H., Xia, X. Y., Xu, W., Xue, S. J., Yan, H. J., Zheng, Z., Zhou, X., Zhu, J., Zou, Z., & Lu, P. 1999, *AJ*, 117, 2757–2780 (astro-ph/9902276)
- 64) “Optically Faint Microjansky Radio Sources”  
Richards, E. A., Fomalont, E. B., Kellermann, K. I., Windhorst, R. A., Partridge, R. B., Cowie, L. L., & Barger, A. J. 1999, *ApJL*, 526, 73–76 (astro-ph/9909251)
- 65) “NICMOS Imaging of the Dusty Microjansky Radio Source VLA J123642+621331 at  $z = 4.424$ ”  
Waddington, I., Windhorst, R. A., Cohen, S. H., Partridge, R. B., Spinrad, H., & Stern, D. 1999, *ApJL*, 526, 77–80 (astro-ph/9910069)
- 66) “Evidence for Large-Scale Structure at  $z \approx 2.4$  From Lyman  $\alpha$  Imaging”  
Keel, W. C., Cohen, S. H., Windhorst, R. A., & Waddington, I. 1999, *AJ*, 118, 2547–2560 (astro-ph/9908183)
- 67) “Calibration of the BATC Survey: Methodology and Accuracy”  
Yan, H., Burstein, D., Fan, X., Zheng, Z., Chen, J., Byun, Y., Chen, R., Chen, W., Deng, L., Deng, Z., Fang, L., Hester, J., Jiang, Z., Li, Y., Lin, W., Lu, P., Shang, Z., Su, H., Sun, W., Tsay, W., Windhorst, R., Wu, H., Xia, X., Xu, W., Xue, S., Zheng, Z., Zhu, J., & Zou, Z. 2000, *PASP*, 112, 691–702
- 68) “Spatially resolved Spectro-photometry of M81: Age, Metallicity and Reddening Maps”  
Kong, X., Zhou, X., Chen, J. S., Cheng, F. Z., Jiang, Z. J., Zhu, J. Zheng, Z. Y., Mao, S., Shang, Z. H., Fan, X. H., Byun, Y.-I., Chen, R., Chen, W.-P., Deng, L. C., Hester, J. J., Li, Y., Lin, W. P., Su, H. J., Sun, W.-H., Tsay, W.-S., Windhorst, R. A., Wu, H., Xia, X. Y., Xu, W., Xue, S. J., Yan, H. J., Zheng, Z., & Zou, Z. L. 2000, *AJ*, 119, 2745–2756
- 69) “What will the Next Generation Radio Telescope Detect at 1.4 GHz?”  
Hopkins, A., Windhorst, R. A., Cram, L., & Ekers, R. 2000, *Experimental Astronomy*, Vol. 10, No. 4, 419–437 (astro-ph/9906469)
- 70) “The LBDS Hercules Sample of Milli-Jansky Radio Sources at 1.4 GHz: I. Multicolor Photometry”  
Waddington, I., Windhorst, R. A., Dunlop, J. S., Koo, D. C., & Peacock, J. A. 2000, *MNRAS*, 317, 801–824 (astro-ph/0006169)
- 71) “Morphological Number Counts and Redshift Distributions to  $I = 25$  from the Hubble Deep Fields: Constraints on Cosmological Models from Early Type Galaxies”

- Phillipps, S., Driver, S. P., Couch, W. J., Fernandez-Soto, A., Bristow, P. D., Odewahn, S. C., Windhorst, R. A., & Lanzetta, K. 2000, *MNRAS*, 319, 807–812 (astro-ph/0009111)
- 72) “Faint Radio Sources and Star Formation History”  
Haarsma, D. B., Partridge, R. B., Windhorst, R. A., & Richards, E. A. 2000, *ApJ*, 544, 641–658 (astro-ph/0007315)
- 73) “The Kuiper Belt and Olbers Paradox”  
Kenyon, S. J., & Windhorst, R. A. 2001, *ApJL*, 547, 69–73 (astro-ph/0009162)
- 74) “The LBDS Hercules Sample of Milli-Jansky Radio Sources at 1.4 GHz: II. Redshift Distribution, Radio Luminosity Function, and the High-Redshift Cut-off”  
Waddington, I., Dunlop, J. S., Peacock, J. A., & Windhorst, R. A. 2001, *MNRAS*, 328, 882–896 (astro-ph/0107048)
- 75) “Automated Galaxy Morphology: A Fourier Approach”  
Odewahn, S. C., Cohen, S. H., Windhorst, R. A., & Philip, N. S. 2002, *ApJ*, 568, 539–557 (astro-ph/0110275)
- 76) “Intermediate-band Surface Photometry of the Edge-on Galaxy NGC 4565”  
Wu, H., Burstein, D., Deng, Z., Zhou, X., Shang, Z., Zheng, Z., Chen, J., Su, H. J., Windhorst, R. A., Chen, W.-P., Zou, Z. L., Xia, X., Jiang, Z., Ma, J., Xue, S., Zhu, J., Cheng, F. Z., Byun, Y. I., Chen, R., Deng, L., Fan, X., Fang, L. Z., Kong, X., Li, Y., Lin, W., Lu, P., Sun, W. H., Tsay, W. S., Xu, W., Yan, H., Zhao, B., & Zheng, Z. 2002, *AJ*, 123, 1364–1380 (astro-ph/0111433)
- 77) “The MicroJansky Sky at 8 GHz”  
Fomalont, E. B., Kellermann, K. I., Partridge, B. P., Windhorst, R. A., & Richards, E. A. 2002, *AJ*, 123, 2402–2416 (astro-ph/0201441); Erratum: 2003, *AJ*, 125, 2751–2751
- 78) “Active Nuclei and Star-Forming Objects at  $z > 2$ : Metallicities, Winds, and Formation Histories”  
Keel, W. C., Wu, W., Waddington, I., Windhorst, R. A., & Pascarella, S. M. 2002, *AJ*, 123, 3041–3054 (astro-ph/0204020)
- 79) “Westphal-MMD11: An Interacting, Submillimeter-Luminous Lyman-Break Galaxy”  
Chapman, S., Shapley, A., Steidel, C., & Windhorst, R. 2002, *ApJL*, 572, 1–5 (astro-ph/0205031)
- 80) “X-ray Properties of Lyman Break Galaxies in the Hubble Deep Field North Region”  
Nandra, K., Mushotzky, R. F., Arnaud, K. A., Steidel, C. C., Adelberger, K. A., Gardner, J. P., Teplitz, H. I., & Windhorst, R. A. 2002, *ApJ*, 576, 625–639 (astro-ph/0205215)
- 81) “A Hubble Space Telescope Survey of the Mid-Ultraviolet Morphology of Nearby Galaxies”  
Windhorst, R. A., Taylor, V. A., Jansen, R. A., Odewahn, S. C., Chiarenza, C. A., Conelice, C. J., de Grijs, R., de Jong, R. S., MacKenty, J. W., Eskridge, P. B., Frogel, J. A., Gallagher III, J. S., Hibbard, J. E., Matthews, L. D., & O’Connell, R. W. 2002, *ApJS*, 143, 113–158 (plus 38 E-only pages; astro-ph/0204398)
- 82) “Old Elliptical Galaxies at  $z \simeq 1.5$  and the Kormendy Relation”  
Waddington, I., Windhorst, R. A., Cohen, S. H., Dunlop, J. S., Peacock, J. A., Jimenez, R., McLure, R. J., Bunker, A. J., Spinrad, H., Dey, A., & Stern, D. 2002, *MNRAS*, 336, 1342–1350 (astro-ph/0207663)
- 83) “A Simple Prediction of the Surface Density of Objects at  $z \sim 6$ ”  
Yan, H., Windhorst, R. A., Odewahn, S. C., Cohen, S. H., Röttgering, H., & Keel, W. C. 2002, *ApJ*, 580, 725–731 (astro-ph/0208080)
- 84) “15 Color Photometry of the Landolt SA 95 Standard Star Field”  
Zhou, X., Jiang, Z., Ma, J., Xue, S., Wu, H., Chen, J., Zhu, J., Sun, W.-H., & Windhorst, R. A. 2003, *A&A*, 397, 361–369 (astro-ph/0209459)
- 85) “The Infrared Counterparts of the Optically Unidentified Chandra Deep Field-South 1 Ms Sources”

- Yan, H., Windhorst, R. A., Röttgering, H. J. A., Cohen, S. H., Odewahn, S. C., Chapman, S. C., & Keel, W. C. 2003, *ApJ*, 585, 67–72 (astro-ph/0211131)
- 86) “Searching for  $z \simeq 6$  Objects with the Hubble Space Telescope Advanced Camera for Surveys: Preliminary Analysis of a Deep Parallel Field”  
Yan, H., Windhorst, R. A., & Cohen, S. H. 2003, *ApJL*, 585, 93–96 (astro-ph/0212179)
- 87) “UV-Optical Pixel Maps of Face-On Spiral Galaxies — Clues for Dynamics and Star Formation Histories”  
Eskridge, P. B., Frogel, J. A., Taylor, V. A., Windhorst, R. A., Odewahn, S. C., Chiarenza, C. A. T., Conselice, C. J., de Grijs, R., Matthews, L. D., O’Connell, R. W., & Gallagher, J. S. III. 2003, *ApJ*, 586, 923–938 (astro-ph/0211494)
- 88) “The Hubble Space Telescope *WFPC2* *B*-band Parallel Survey: A Study of Galaxy Morphology for Magnitudes  $18 \leq B \leq 27$ ”  
Cohen, S. H., Windhorst, R. A., Odewahn, S. C., Chiarenza, C. A. T., & Driver, S. P. 2003, *AJ*, 125, 1762–1783 (astro-ph/0301187)
- 89) “Star Cluster Formation and Evolution in Nearby Starburst Galaxies: I. Systematic Uncertainties”  
de Grijs, R., Fritze-von Alvensleben, U., Anders, P., Gallagher, J. S., III, Bastian, N., Taylor, V. A., & Windhorst, R. A. 2003, *MNRAS*, 342, 259–273 (astro-ph/0302286)
- 90) “Spectroscopic Discovery of the Supernova 2003dh Associated with GRB 030329”  
Stanek, K. Z., Matheson, T., Garnavich, P. M., Martini, P., Berlind, P., Caldwell, N., Challis, P., Brown, W. R., Schild, R., Krisciunas, K., Calkins, M. L., Lee, J. C., Hathi, N., Jansen, R. A., Windhorst, R., Echevarria, L., Eisenstein, D. J., Pindor, B., Olszewski, E. W., Harding, P., Hollan, S. T., & Bersier, D. 2003, *ApJL*, 591, 17–20 (astro-ph/0304173)
- 91) “ $H\alpha$  + [N-II] Observations of the H-II Regions in M81”  
Lin, W. P., Zhou, X., Burstein, D., Windhorst, R. A., Chen, J. S., Chen, W.-P., Jiang, Z. J., Kong, X., Ma, J., Sun, W.-H., Wu, H., Xue, S. J., & Zhu, J. 2003 *AJ*, 126, 1286–1294 (astro-ph/0306302)
- 92) “Evidence for a Major Merger Origin of High-Redshift Submillimeter Galaxies”  
Conselice, C. J., Chapman, S. C., & Windhorst, R. A. 2003, *ApJL*, 596, 5–8 (astro-ph/0308198)
- 93) “Hubble Space Telescope Images of Sub-Millimeter Sources: Large, Irregular Galaxies at High Redshift”  
Chapman, S. C., Windhorst, R., Odewahn, S., Yan, H., & Conselice, C. 2003, *ApJ*, 599, 92–104 (astro-ph/0308197)
- 94) “Photometry and Spectroscopy of GRB 030329 and its Associated Supernova 2003dh: The First Two Months”  
Matheson, T. Garnavich, P. M., Stanek, K. Z., Bersier, D., Holland, S. T., Krisciunas, K., Caldwell, N., Berlind, P., Bloom, J. S., Bolte, M., Bonanos, A. Z., Brown, M. J. I., Brown, W. R., Calkins, M. L., Challis, P., Chornock, R., Echevarria, L., Eisenstein, D. J., Everett, M. E., Filippenko, A. V., Flint, K., Foley, R., Freedman, D. L., Hamuy, M., Harding, P., Hathi, N., Hicken, P., Hoopes, M., Impey, C., Jannuzi, B. T., Jansen, R. A., Jha, S., Kaluzny, J., Kannappan, S., Kirshner, R. P., Latham, D. W., Lee, J. C., Leonard, D. C., Li, W., Luhman, K. L., Martini, P., Mathis, H., Maza, J., Megeath, S. T., Miller, L. R., Minniti, D., Olszewski, E. W., Papenkova, M., Phillips, M. M., Pindor, B., Sasselov, D. D., Schild, R., Schweiker, H., Spahr, T., Thomas-Osip, J., Thompson, I., Weisz, D., Windhorst, R., & Zaritsky, D. 2003, *ApJ*, 599, 394–407 (astro-ph/0307435)
- 95) “The Morphological Decomposition of Abell 868”  
Driver, S. P., Odewahn, S. C., Echevarria, L., Cohen, S. H., Windhorst, R. A., Phillipps, S., & Couch, W. J. 2003, *AJ*, 126, 2662–2676 (astro-ph/0309258)
- 96) “The Major Sources of the Cosmic Ionizing Background at  $z \simeq 6$ ”  
Yan, H., & Windhorst, R. A. 2004, *ApJL*, 600, 1–5 (astro-ph/0312572)



- 97) “Further Multiwavelength Observations of the SSA22 Ly- $\alpha$  Emitting ‘Blob’ ”  
Chapman, S. C., Scott, D., Windhorst, R. A., Frayer, D. T., Borys, C., Lewis, G. F., & Ivison, R. J. 2004, ApJ, 606, 85–91 (astro-ph/0310670)
- 98) “Dome-Diffuser Flat-fielding for Schmidt Telescopes”  
Zhou, X., Burstein, D., Byun, Y.-I., Chen, J. S., Chen, W.-P., Jiang, Z. J., Ma, J., Sun, W.-H., Windhorst, R. A., Wu, H., Xu, W., & Zhu, J. 2004, AJ, 127, 3642–3652
- 99) “Evidence for Extended, Obscured Starbursts in Sub-mm Galaxies”  
Chapman, S. C., Smail, I., Windhorst, R., Muxlow, T., Ivison, R. J. 2004, ApJ, 611, 732–738 (astro-ph/0412051)
- 100) “Infrared Space Observatory Observations of the 53W002 Group at 6.7 $\mu$ m: In Search of the Oldest Stellar Populations at  $z = 2.4$ ”  
Keel, W. C., Wu, W., van der Werf, P., Windhorst, R. A., Dunlop, J. S., Eales, S. A., Waddington, I., & Holmes, M. 2004, PASP, 116, 712–722 (astro-ph/0406438)
- 101) “Observing Conditions at Mt. Graham: VATT *UBVR* Sky Surface Brightness and Seeing Measurements from 1999 through 2003.”  
Taylor, V. A., Jansen, R. A., & Windhorst, R. A. 2004, PASP, 116, 762–777 (astro-ph/0406495)
- 102) “Candidates of  $z \simeq 5.5$ –7 Galaxies in the HST Ultra Deep Field”  
Yan, H., & Windhorst, R. A. 2004, ApJL, 612, 93–96 (astro-ph/0407493)
- 103) “Cosmological Simulations of the High-redshift Radio Universe”  
Kawata, D., Gibson, B. K., & Windhorst, R. A. 2004, MNRAS, 354, 387–392 (astro-ph/0407185)
- 104) “GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction”  
Pirzkal, N., Xu, C., Malhotra, S., Rhoads, J. E., Koekemoer, A. M., Moustakas, L. A., Walsh, J. R., Windhorst, R. A., Daddi, E., Cimatti, A., Ferguson, H. C., Gardner, J. P., Gronwall, C., Haiman, Z., Kuemmel, M., Panagia, N., Pasquali, A., di Serego Alighieri, S., Tsvetanov, Z., Vernet, J., & Yan, H. 2004, ApJS, 154, 501–508 (astro-ph/0403458)
- 105) “A Deep Radio Survey of A2125 I: Radio, Optical and Near-IR Observations”  
Owen, F. N., Keel, W. C., Ledlow, M. J., Morrison, G. E., & Windhorst, R. A. 2005, AJ, 129, 26–30 (astro-ph/0410339)
- 106) “A Redshift  $z \simeq 5.4$  Lyman- $\alpha$  Emitting Galaxy with Linear Morphology in the GRAPES/UDF Field”  
Rhoads, J. E., Panagia, N., Windhorst, R. A., Malhotra, S., Pirzkal, N., Xu, C., Strolger, L. G., Bergeron, L. E., Daddi, E., Ferguson, H., Gardner, J. P., Gronwall, C., Haiman, Z., Koekemoer, A., Kümmel, M., Moustakas, L. A., Pasquali, A., Riess, A., di Serego Alighieri, S., Stiavelli, M., Tsvetanov, Z., Vernet, J., Walsh, J., & Yan, H. 2005, ApJL, 621, 582–586 (astro-ph/0408031)
- 107) “Stars in the Hubble Ultra Deep Field”  
Pirzkal, N., Sahu, K. C., Burgasser, A., Moustakas, L. A., Xu, C., Malhotra, S., Rhoads, J. E., Koekemoer, A. M., Nelan, E. P., Windhorst, R. A., Panagia, N., Gronwall, C., Pasquali, A., & Walsh, J. R. 2005, ApJ, 622, 319–332 (astro-ph/0412097)
- 108) “High Resolution Studies of Radio Sources in the Hubble Deep and Flanking Fields”  
Muxlow, T. W. B., Richards, A. M. S., Garrington, S. T., Wilkinson, P. N., Anderson, B., Richards, E. A., Axon, D. J., Fomalont, E. B., Kellermann, K. I., Partridge, R. B., & Windhorst, R. A. 2005, MNRAS, 358, 1159–1194 (astro-ph/0501679)
- 109) “An Overdensity of Galaxies at  $z = 5.9 \pm 0.2$  in the Ultra Deep Field Confirmed using the ACS Grism”  
Malhotra, S., Rhoads, J. E., Pirzkal, N., Haiman, Z., Xu, C., Daddi, E., Yan, H., Bergeron, L. E., Wang, J., Ferguson, H. C., Gronwall, C., Koekemoer, A., Kuemmel, M., Moustakas, L. A., Panagia, N., Pasquali, A., Stiavelli, M., Walsh, J., Windhorst, R. A., & di Serego Alighieri, S. 2005, ApJ, 626, 666–679 (astro-ph/0501478)

- 110) “Passively Evolving Early-Type Galaxies at  $1.4 \lesssim z \lesssim 2.5$  in the Hubble Ultra Deep Field”  
Daddi, E., Renzini, A., Pirzkal, N., Cimatti, A., Malhotra, S., Stiavelli, M., Xu, C., Pasquali, A., Rhoads, J. E., Brusa, M., di Serego Alighieri, S., Ferguson, H. C., Koekemoer, A. M., Moustakas, L. A., Panagia, N., & Windhorst, R. A. 2005, *ApJ*, 626, 680–697 (astro-ph/0503102)
- 111) “Hubble Space Telescope Imaging of the Ultracompact Blue Dwarf Galaxy HS 0822+3542: An Assembling Galaxy in A Local Void?”  
Corbin, M. R., Vacca, W. D., Hibbard, J. E., Somerville, R. S., & Windhorst, R. A. 2005, *ApJL*, 629, 89–92 (astro-ph/0507493)
- 112) “*UBVR* and *Hubble Space Telescope* mid-Ultraviolet and near-Infrared surface photometry and radial color gradients of late-type, irregular, and peculiar galaxies”  
Taylor, V. A., Jansen, R. A., Windhorst, R. A., Odewahn, S. C., & Hibbard, J. 2005, *ApJ*, 630, 784–803 (astro-ph/0506122)
- 113) “Intergalactic Stellar Distributions in the Interacting M81/M82 Galaxy Group”  
Sun, W.-H., Zhou, W.-H., Chen, W.-P., Burstein, D., Windhorst, R. A., Ma, J., Byun, Y.-I., Jiang, Z.-J., & Chen, J.-S. 2005, *ApJL*, 630, 133–136
- 114) “The Surface Density of L- & T-Dwarfs from HST ACS Parallel Fields”  
Ryan, R. E. Jr., Hathi, N. P., Cohen, S. H., & Windhorst, R. A. 2005, *ApJL*, 631, 159–162 (astro-ph/0508555)
- 115) “The Structure and Star-Formation History of Early-Type Galaxies in the UDF/GRAPES Survey”  
Pasquali, A., Ferreras, I. Panagia, N., Daddi, E., Malhotra, S., Rhoads, J. E., Pirzkal, N., Windhorst, R. A. Koekemoer, A. M., Moustakas, L. A., Xu, C., & Gronwall, C. 2006, *ApJ*, 636, 115–133 (astro-ph/0504264)
- 116) “Tracing Galaxy Assembly: Tadpole Galaxies in the Hubble Ultra Deep Field”  
Straughn, A. N., Cohen, S. H., Ryan, R. E. Jr., Hathi, N. P., Windhorst, R. A., & Jansen, R. A. 2006, *ApJ*, 639, 724–730 (astro-ph/0511423)
- 117) “Clues to AGN Growth From Optically Variable Objects in the Hubble Ultra-Deep Field”  
Cohen, S. H., Ryan, R. E. Jr., Straughn, A. N., Hathi, N. P., Windhorst, R. A., Koekemoer, A., Pirzkal, N., Xu, C., Mobasher, B., Malhotra, S., Strolger, L.-G., & Rhoads, J. E. 2006, *ApJ*, 639, 731–739 (astro-ph/0511414)
- 118) “Ultracompact Blue Dwarf Galaxies: Hubble Space Telescope Imaging and Stellar Population Analysis”  
Corbin, M. R., Vacca, W. D., Cid Fernandes, R., Hibbard, J. E., Somerville, R. S., & Windhorst, R. A. 2006, *ApJ*, 651, 861–873 (astro-ph/0607280)
- 119) “The Radio/Optical Catalog of the SSA13 Field”  
Fomalont, E. B., Kellermann, K. I., Cowie, L. L., Capak, P., Barger, A. J., Partridge, R. B., Windhorst, R. A., & Richards, E. A. 2006, *ApJS*, 167, 103–160 (astro-ph/0607058)
- 120) “Dependence of Galaxy Structure on Rest-frame Wavelength and Galaxy Type”  
Taylor-Mager, V. A., Conselice, C. J., Windhorst, R. A., & Jansen, R. A. 2007, *ApJ*, 659, 162–187 (astro-ph/0612558)
- 121) “Redshifts of Emission Line Objects in the Hubble Ultra Deep Field”  
Xu, C., Pirzkal, N., Malhotra, S., Rhoads, J. E., Mobasher, B., Daddi, E., Gronwall, C., Hathi, N. P., Panagia, N., Ferguson, H. C., Koekemoer, A. M., Kuemmel, M., Moustakas, L. A., Pasquali, A., di Serego Alighieri, S., Vernet, J., Walsh, J. R., & Windhorst, R. A. 2007, *AJ*, 134, 169–178 (astro-ph/0701875)
- 122) “The Galaxy Luminosity Function at  $z \approx 1$  in the HUDF: Probing the Dwarf Population”  
Ryan, R. E. Jr., Hathi, N. P., Cohen, S. H., Malhotra, S., Rhoads, J. E., Windhorst, R. A., Budavař, T., Pirzkal, N., Xu, C., Panagia, N., Moustakas, L., di Serego Alighieri, S., & Yan, H. 2007, *ApJ*, 668, 839–845 (astro-ph/0703743)

- 123) “The Evolving Faint-End of the Luminosity Function”  
Khochfar, S., Silk, J., Windhorst, R. A., & Ryan, R. Jr. 2007, ApJL, 668, 115–118 (astro-ph/0707.2790)
- 124) “The Nearby and Extremely Metal-Poor Galaxy CGCG 269–049”  
Corbin, M. R., Kim, H., Jansen, R. A., Windhorst, R. A., & Cid Fernandes, R. 2008, ApJ, 675, 194–203; 2008, ApJ, 678, 567 (astro-ph/0710.2557)
- 125) “Star Clusters in the Nearby Late-Type Galaxy NGC 1311”  
Eskridge, P. B., de Grijs, R., Anders, P., Windhorst, R. A., Taylor, V. A., & Jansen, R. A. 2008, AJ, 135, 120–129 (astro-ph/0710.3614)
- 126) “Surface Brightness Profiles of Composite Images of Compact Galaxies at  $z \simeq 4–6$  in the Hubble Ultra Deep Field.”  
Hathi, N. P., Jansen, R. A., Windhorst, R. A., Cohen, S. H., Keel, W. C., Corbin, M., R., & Ryan, R. E. Jr. 2008, AJ, 135, 156–166 (astro-ph/0710.0007)
- 127) “An Overdensity of  $i$ -dropouts Among a Population of Excess Field Objects in the Virgo Cluster.”  
Yan, H., Hathi, N. P., & Windhorst, R. A. 2008, ApJ, 675, 136–145 (astro-ph/0711.4845)
- 128) “Galaxy Mergers at  $z \geq 1$  in the HUDF: Evidence for a Peak in the Major Merger Rate”  
Ryan, R. E. Jr., Cohen, S. H., Windhorst, R. A., & Silk, J. 2008, ApJ, 678, 751–757 (astro-ph/0712.0416)
- 129) “Emission-Line Galaxies from the PEARS Hubble Ultra Deep Field: A 2-D Detection Method and First Results”  
Straughn, A. N., Meurer, G. R., Pirzkal, N., Cohen, S. H., Malhotra, S., Rhoads, J. E., Windhorst, R. A., Gardner, J. P., Hathi, N. P., Xu, C., Gronwall, C., Koekemoer, A. M., Walsh, J., & di Serego Alighieri, S. 2008, AJ, 135, 1624–1635 (astro-ph/0802.2912)
- 130) “Is the Optically Unidentified Radio Source, FIRST J121839.7+295325, a Dark Lens?”  
Ryan, R. E. Jr., Cohen, S. H., Windhorst, R. A., Keeton, C. R., & Veach, T. J. 2008, ApJ, 688, 43–47 (astro-ph/0806.3781)
- 131) “Optical Morphologies of Millijansky Radio Galaxies Observed by *HST* and in the *VLA* FIRST Survey”  
Russell, J., Ryan, R. E. Jr., Cohen, S. H., Windhorst, R. A., & Waddington, I. 2008, ApJS, 179, 306–318 (astro-ph/0807.2281)
- 132) “Stellar Populations of Late-Type Bulges at  $z \simeq 1$  in the Hubble Ultra Deep Field.”  
Hathi, N. P., Ferreras, I., Pasquali, A., Malhotra, S., Rhoads, J. E., Pirzkal, N., Windhorst, R. A., & Xu, C. 2009, ApJ, 690, 1866–1882 (astro-ph/0805.0791)
- 133) “Spectrophotometrically Identified Stars in the PEARS-N and PEARS-S fields”  
Pirzkal, N., Burgasser, A. J., Malhotra, S., Holwerda, B. W., Sahu, K. C., Rhoads, J. E., Xu, C., Bochanski, J. J., Walsh, J. R., Windhorst, R. A., Hathi, N. P., & Cohen, S. H. 2009, ApJ, 695, 1591–1603 (astro-ph/0901.3321)
- 134) “Spectroscopic Confirmation of Faint Lyman Break Galaxies near Redshift Five in the Hubble Ultra Deep Field”  
Rhoads, J. E., Malhotra, S., Pirzkal, N., Dickinson, M., Cohen, S. H., Grogin, N., Hathi, N. P., Xu, C., Ferreras, I., Gronwall, C., Koekemoer, A. M., Kuemmel, M., Meurer, G., Panagia, N., Pasquali, A., Ryan, R., Straughn, A. N., Walsh, J., Windhorst, R. A., & Yan, H. 2009, ApJ, 697, 942–949 (astro-ph/0805.1056)
- 135) “Improved Photometric Redshifts with Surface Luminosity Priors”  
Xia, L., Cohen, S., Malhotra, S., Rhoads, J., Grogin, N. A., Hathi, N. P., Windhorst, R. A., Pirzkal, N., & Xu, C. 2009, AJ, 138, 95–101 (astro-ph/0906.0985)
- 136) “The Disappearance of Lyman Blobs: a GALEX Search at  $z=0.8$ ”

- Keel, W. C., White, R. E., III, Chapman, S., & Windhorst, R. A. 2009, *AJ*, 138, 986–990 (astro-ph/0907.2201)
- 137) “Emission-Line Galaxies from the Hubble Space Telescope Probing Evolution and Reionization Spectroscopically (PEARS) Grism Survey. I. The South Fields”  
Straughn, A. N., Pirzkal, N., Meurer, G. R., Cohen, S. H., Windhorst, R. A., Malhotra, S., Rhoads, J. E., Gardner, J. P., Hathi, N. P., Jansen, R. A., Grogan, N., Panagia, N., di Serego Alighieri, S., Gronwall, C., Walsh, J., Pasquali, A., & Xu, C. 2009, *AJ*, 138, 1022–1031 (astro-ph/0907.2254)
- 138) “Mapping the Spatial Distribution of Dust Extinction in NGC 0959 using Broadband Visible and Mid-IR Filters”  
Tamura, K., Jansen, R. A., & Windhorst, R. A. 2009, *AJ*, 138, 1634–1654 (astro-ph/0909.4813)
- 139) “Early-Type Galaxies in the “PEARS” Survey: Probing the Stellar Populations at moderate Redshift”  
Ferrerias, I., Pasquali, A., Malhotra, S., Rhoads, J., Cohen, S., Windhorst, R., Pirzkal, N., Grogan, N., Koekemoer, A. M., Lisker, T., Panagia, N., Daddi, E., & Hathi, N. P. 2009, *ApJ*, 706, 158–169 (astro-ph/0908.0739)
- 140) “Semi-Automated Method of Analysis of Small Sensory Nerve Fibers in Human Skin-Biopsies”  
Tamura, K., Mager, V. A., Burnett, L. A., Olson, J. H., Brower, J. B., Casano, A. R., Baluch, D. P., Targovnik, J. H., Windhorst, R. A., & Herman, R. M. 2009, *Journal of Neuroscience Methods*, 185, 325–337 (<http://dx.doi.org/10.1016/j.jneumeth.2009.10.011>)
- 141) “Supernova Remnants and the Interstellar Medium of M83: Imaging and Photometry with the Wide Field Camera 3 on the Hubble Space Telescope”  
Dopita, M. A., Blair, W. P., Long, K. S., Mutchler, M., Whitmore, B., Kuntz, K., Balick, B., Bond, H., Calzetti, D., Carollo, M., Disney, M., Frogel, J., O’Connell, R., Hall, D., Holtzman, J. A., Kimble, R. A., MacKenty, J., McCarthy, P., Paresce, F., Saha, A., Silk, J., Sirianni, M., Trauger, J., Walker, A. R., Windhorst, R., & Young, E. 2010, *ApJ*, 710, 964–978 (astro-ph/1001.0815)
- 142) “An X-ray Upper Limit on the Presence of a Neutron Star for the Small Magellanic Cloud Supernova Remnant 1E0102.2-7219”  
Rutkowski, M. J., Schlegel, E. M., Keohane, J. W., & Windhorst, R. A. 2010, *ApJ*, 715, 908–918 (astro-ph/1005.0635)
- 143) “Deep GMRT 150 MHz observations of the LBDS-Lynx region: Ultra-Steep Spectrum Radio Sources”  
Ishwara-Chandra, C. H., Sirothia, S. K., Wadadekar, Y., Pal, S., & Windhorst, R. 2010, *MNRAS*, 405, 436–446 (astro-ph/1002.0691)  
On-line catalog: <http://vizier.cfa.harvard.edu/viz-bin/VizieR?-source=J/MNRAS/405/436>
- 144) “Lifting the Veil of Dust from NGC 959: The Importance of a Pixel-Based 2D Extinction Correction”  
Tamura, K., Jansen, R. A., Eskridge, P. B., Cohen, S. H., & Windhorst, R. A. 2010, *AJ*, 139, 2557–2565 (astro-ph/1004.3575)
- 145) “The Luminosity, Mass, and Age Distribution of Compact Star Clusters in M83 based on HST/WFC3 Observations”  
Chandar, R., Whitmore, B. C., Kim, H., Kaleida, C., Mutchler, M., Calzetti, D., Saha, A., Balick, B., Bond, H., Carollo, M., Disney, M., Dopita, M. A., Frogel, J., O’Connell, R., Hall, D., Holtzman, J. A., Kimble, R. A., MacKenty, J., McCarthy, P., Paresce, F., Silk, J., Trauger, J., Walker, A. R., Windhorst, R., & Young, E. 2010, *ApJ*, 719, 966–978 (astro-ph/1007.5237)
- 146) “Progressive Star-formation in the Young Galactic Super Star Cluster NGC 3603”  
Beccari, G., Spezzi, L., Young, E., De Marchi, G., Paresce, F., Sirianni, M., Andersen, M., Balick, B., Bond, H. E., Calzetti, D., Carollo, M., Disney, M. J., Dopita, M. A., Frogel, J. A., Hall, D. N., Holtzman, J. A., Kimble, R. A., Luppino, G., McCarthy, P. J., O’Connell, R. W., Saha, A.,

- Silk, J. I., Trauger, J. T., Walker, A. R., Whitmore, B. C., & Windhorst, R. A. 2010, *ApJ*, 720, 1108–1117 (astro-ph/1007.2795v1)
- 147) “UV-dropout Galaxies in the GOODS-South Field from WFC3 Early Release Science Observations”  
Hathi, N. P., Ryan, R. E. Jr., Cohen, S. H., Yan, H., Windhorst, R. A. McCarthy, P. J., O’Connell, R. W., Koekemoer, A. M., Rutkowski, M. J., Balick, B., Bond, H. E., Calzetti, D., Disney, M. J., Dopita, M. A., Frogel, J. A., Hall, D. N. B., Holtzman, J. A., Kimble, R. A., Paresce, F., Saha, A., Silk, J. I., Trauger, J. T., Walker, A. R., Whitmore, B. C., & Young, E. T. 2010, *ApJ*, 720, 1708–1716 (astro-ph/1004.5141v2)
- 148) “Galaxy Formation in the Reionization Epoch as Hinted by Wide Field Camera 3 Observations of the Hubble Ultra Deep Field”  
Yan, H., Windhorst, R. A., Hathi, N. P., Cohen, S. H., Ryan, R. E., O’Connell, R. W., & McCarthy, P. J. 2010, *Res. in Astr. & Astrop.*, 10, 867–904 (astro-ph/0910.0077)
- 149) “Supernova Remnants, Planetary Nebulae and the Distance to NGC 4214”  
Dopita, M. A., D. Calzetti, Maíz-Apellániz, J., Blair, W. P., Long, K. S., M. Mutchler, Whitmore, B. C., Bond, H. E., MacKenty, J., Balick, B., Carollo, M., Disney, M., Frogel, J. A., O’Connell, R., Hall, D., Holtzman, J. A., Kimble, R. A., McCarthy, P., Paresce, F., Saha, A., R. Walker, A., Silk, J., Sirianni, M., Trauger, J., Windhorst, R., & Young, E. 2010, *Astroph & Space Sc.*, 330, 123–131
- 150) “The Young Stellar Population of the Nearby Late-Type Galaxy NGC 1311”  
Eskridge, P. B., Windhorst, R. A., Mager, V. A., & Jansen, R. A. 2010, *AJ*, 140, 1137–1149 (astro-ph/1007.0784)
- 151) “WFC3 Early Release Science: Emission-Line Galaxies from IR Grism Observations”  
Straughn, A. N., Kuntschner, H., Kummel, M., Walsh, J., Cohen, S. H., Gardner, J. P., Windhorst, R. A., O’Connell, R. W., Pirzkal, N., Meurer, G., McCarthy, P. J., Hathi, N. P., Malhotra, S., Rhoads, J., Balick, B., Bond, H. E., Calzetti, D., Disney, M. J., Dopita, M. A., Frogel, J. A., B. Hall, D. N., Holtzman, J. A., Kimble, R. A., Mutchler, M., Luppino, G., Paresce, F., Saha, A., Silk, J. I., Trauger, J. T., Walker, A. R., Whitmore, B. C., Young, E. T., & Xu, C. 2011, *AJ*, 141, 14 (8 pp) (astro-ph/1005.3071S)
- 152) “A Distortion of Very High Redshift Galaxy Number Counts by Gravitational Lensing”  
Wyithe, J. S. B., Yan, H., Windhorst, R. A., & Mao, S. 2011, *Nature*, Vol. 469, Issue 7330, 181–184 (astro-ph/1101.2291)
- 153) “Anatomy of a Post-starburst Minor Merger: a Multi-wavelength WFC3 study of NGC 4150”  
Crockett, R. M., Kaviraj, S., Silk, J. I., Whitmore, B. C., O’Connell, R. W., Mutchler, M., Balick, B., Bond, H. E., Calzetti, D., Carollo, M., Disney, M. J., Dopita, M. A., Frogel, J. A., B. Hall, D. N., Holtzman, J. A., Kimble, R. A., McCarthy, P. J., Paresce, F., Saha, A., Trauger, J. T., Walker, A. R., Windhorst, R. A., & Young, E. T. 2011, *ApJ*, 727, 115 (13 pp) (astro-ph/1011.5504)
- 154) “Probing the Very Bright-End of Galaxy Luminosity Function at  $z \gtrsim 7$  Using Hubble Space Telescope Pure Parallel Observations”  
Yan, H., Yan, L., Zamojski, M. A., Windhorst, R. A., McCarthy, P. J., Fan, X., Röttgering, H. J. A., Koekemoer, A. M., Robertson, B. E., Davé, R., & Cai, Z. 2011, *ApJL*, 728, L22 (5 pp) (astro-ph/1010.2261)
- 155) “Using H-Alpha Morphology and Surface-Brightness Fluctuations to Age-Date Star Clusters in M83”  
Whitmore, B., Chandar, R., Kim, H., Calzetti, D., Apellániz, J. M., O’Connell, R., Balick, B., Bond, H. E., Carollo, M., Disney, M. J., Dopita, M. A., Frogel, J. A., B. Hall, D. N., Holtzman, J. A., Kimble, R. A., Luppino, G., McCarthy, P. J., Paresce, F., Saha, A., Silk, J. I., Trauger, J. T., Walker, A. R., Windhorst, R. A., & Young, E. T. 2011, *ApJ*, 729, 78 (14 pp)
- 156) “The Hubble Space Telescope Wide Field Camera 3 Early Release Science Data: Panchromatic Faint Object Counts from 0.2–2 microns Wavelength”

- Windhorst, R. A., Cohen, S. H., Hathi, N. P., McCarthy, P. J., Ryan, R. E. Jr., Yan, H., Baldry, I. K., Driver, S. P., Frogel, J. A., Hill, D. T., Kelvin, L. S., Koekemoer, A. M., Mechtley, M., O'Connell, R. W., Aaron S. G. Robotham, Rutkowski, M. J., Seibert, M., Straughn, A. N., Tuffs, R. J., Balick, B., Bond, H., Bushouse, H. A., Calzetti, D., Crockett, M., Disney, M., Dopita, M. A., Hall, D. N. B., Holtzman, J. A., Kaviraj, S., Kimble, R. A., MacKenty, J., Mutchler, M., Paresce, F., Saha, A., Silk, J., Trauger, J., Walker, A. R., Whitmore, B., & Young E. 2011, *ApJS*, 193, 27 (33 pp) (astro-ph/1005.2776)
- 157) "Detection of Brown Dwarf-like Objects in the Core of NGC 3603"  
Spezzi, L., Beccari, G., De Marchi, G., Young, E. T., Paresce, F., Dopita, M. A., Andersen, M., Panagia, N., Balick, B., Bond, H. E., Calzetti, D., Carollo, C. M., Disney, M. J., Frogel, J. A., Hall, D. N. B., Holtzman, J. A., Kimble, R. A., McCarthy, P. J., O'Connell, R. W., Saha, A., Silk, J. I., Trauger, J. T., Walker, A. R., Whitmore, B. C., & Windhorst, R. A. 2011, *ApJ*, 731, 1 (14 pp) (astro-ph/1101.4521)
- 158) "Large-scale Shock-ionized and Photo-ionized Gas in M83: the Impact of Star-formation"  
Hong, S., Calzetti, D. Dopita, M. A., Blair, W. P., Whitmore, B. C., Balick, B., Bond, H. E., Carollo, C. M., Disney, M. J., Frogel, J. A., Hall, D. N. B., Holtzman, J. A., Kimble, R. A., McCarthy, P. J., O'Connell, R. W., Paresce, F., Saha, A., Silk, J. I., Trauger, J. T., Walker, A. R., Windhorst, R. A., Young, E. T., & Mutchler M. 2011, *ApJ*, 731, 45 (15 pp) (astro-ph/1102.2444)
- 159) "Resolved Imaging of Lyman Alpha Emission at  $z \approx 4.4$ "  
Finkelstein, S. L., Cohen, S. H., Windhorst, R. A., Ryan, R. E. Jr., Hathi, N. P., Finkelstein, K. D., Anderson, J., Grogin, N. A., Koekemoer, A. M., Malhotra, S., Mutchler, M., Rhoads, J. E., McCarthy, P. J., O'Connell, R. W., Balick, B., Bond, H. E., Calzetti, D., Disney, M. J., Dopita, M. A., Frogel, J. A., B. Hall, D. N., Holtzman, J. A., Kimble, R. A., Luppino, G., Paresce, F., Saha, A., Silk, J. I., Trauger, J. T., Walker, A. R., Whitmore, B. C., & Young, E. T. 2011, *ApJ*, 735, 5 (12 pp) (astro-ph/1008.0634)
- 160) "Star-Formation in 30 Doradus"  
De Marchi, G., Paresce, F., Panagia, N., Beccari, G., Spezzi, L., Sirianni, M., Andersen, M., Mutchler, M., Balick, B., Dopita, M. A., Frogel, J. A., Whitmore, B. C., Bond, H. E., Calzetti, D., Carollo, C. M., Disney, M. J., Hall, D. N. B., Holtzman, J. A., Kimble, R. A., McCarthy, P. J., O'Connell, R. W., Saha, A., Silk, J. I., Trauger, J. T., Walker, A. R., Windhorst, R. A., & Young, E. T. 2011, *ApJ*, 739, 27 (16 pp) (astro-ph/1106.2801)
- 161) "Hubble Space Telescope Observations of Field Ultracool Dwarfs at High Galactic Latitude"  
Ryan, R. E. Jr., Thorman, P. A., Yan, H., Fan, X., Yan, L., Mechtley, M., R., Hathi, N. P., Cohen, S. H., Windhorst, R. A., McCarthy, P. J., & Wittman, D. M. 2011, *ApJ*, 739, 83 (8 pp) (astro-ph/1105.2567)
- 162) "Triggered Star-formation in the Inner Filament of Centaurus A"  
Crockett, R. M., Shabala, S. S., Kaviraj, S., Antonuccio-Delogu, V. Silk, J., Mutchler, M., O'Connell, R. W., Rejkuba, M., Whitmore, B. C., & Windhorst, R. A. 2012, *MNRAS*, 421, 1603–1623 (21 pp) (astro-ph/1201.3369)
- 163) "A Panchromatic Catalog of Early-Type Galaxies at intermediate redshift in the Hubble Space Telescope Wide Field Camera 3 Field"  
Rutkowski, M. J., Cohen, S. H., Windhorst, R. A., O'Connell, R. W., Crockett, M., Kaviraj, S., Silk, J., Kimble, R., Balick, B., Bond, H. E., Calzetti, D., Disney, M. J., Dopita, M. A., Frogel, J. A., B. Hall, D. N., Holtzman, J. A., Kimble, R. A., Luppino, G., McCarthy, P. J., Paresce, F., Saha, A., Trauger, J. T., Walker, A. R., Whitmore, B. C., & Young, E. T. 2012, *ApJS*, 199, 4 (20 pp) (astro-ph/1201.6416)
- 164) "The Size Evolution of Passive Galaxies: Observations from the Wide Field Camera 3 Early Release Science Program"  
Ryan, R. E. Jr., McCarthy, P. J., Cohen, S. H., Yan, H., Hathi, N. P., Koekemoer, A. M., Rutkowski, M. J., Mechtley, M. R., Windhorst, R. A., O'Connell, R. W., Balick, B., Bond, H. E., Bushouse, H.,

- Calzetti, D., Crockett, R. M., Disney, M., Dopita, M. A., Frogel, J. A., Hall, D. N. B., Holtzman, J. A., Kaviraj, S., Kimble, R. A., MacKenty, J., Mutchler, M., Paresce, F., Saha, A., Silk, J. I., Trauger, J., Walker, A. R., Whitmore, B. C., & Young E. 2012, *ApJ*, 749, 53 (11 pp) (astro-ph/1007.1460)
- 165) “A WFC3 Study of Globular Clusters in NGC 4150: An Early-Type Minor Merger”  
Kaviraj, S., Crockett, R. M., Whitmore, B. C., Silk, J., O’Connell, R. W., Windhorst, R. A., Mutchler, M., Rejkuba, M., Yi, S., Frogel, J. A., & Calzetti, D. 2012, *MNRAS*, 422, L96–100 (5 pp) (astro-ph/1107.5042)
- 166) “Population Study of Resolved Stars in M83 using HST/WFC3 Early Release Science Data”  
Kim, H., Whitmore, B. C., Chandar, R., Saha, A., Windhorst, R. A., Balick, B., Bond, H. E., Calzetti, D., Carollo, C. M., Disney, M. J., Dopita, M. A., Frogel, J. A., Hall, D. N. B., Holtzman, J. A., Kimble, R. A., Luppino, G., McCarthy, P. J., O’Connell, R. W., Paresce, F., Silk, J. I., Trauger, J. T., Walker, A. R., & Young, E. T. 2012, *ApJ*, 753, 26 (22 pp) (astro-ph/1204.6045)
- 167) “Metallicities of Emission-Line Galaxies from HST ACS PEARS and HST WFC3 ERS Grism Spectroscopy at  $0.6 < z < 2.4$ ”  
Xia, L., Malhotra, S., Rhoads, J., Pirzkal, N., Straughn, A., Finkelstein, S., Cohen, S., Kuntschner, H., Kümmel, M., Walsh, J., Windhorst, R. A., & O’Connell, R. 2012, *AJ*, 144, 28 (11 pp) (astro-ph/1205.3172)
- 168) “The Road to the Red Sequence: A Detailed View of the Formation of a Massive Galaxy at  $z \sim 2$ .”  
Ferreras, I., Pasquali, A., Khochfar, S., Kuntschner, H., Kuümmel, M., Pirzkal, N., Windhorst, R., Malhotra, S., Rhoads, J., & O’Connell, R. W., Cohen, S., Hathi, N. P., Ryan, R. E. Jr., & Yan, H. 2012, *AJ*, 144, 47 (11 pp) (astro-ph/1109.6323)
- 169) “Infrared Imaging of a  $z=6.42$  Quasar Host Galaxy with the Hubble Space Telescope Wide Field Camera 3”  
Mechtley, M., Windhorst, R. A., Ryan, R. E., Schneider, G., Cohen, S. H., Jansen, R. A., Fan, X., Hathi, N. P., Keel, W. C., Koekemoer, A. M., Röttgering, H., Scannapieco, E., Schneider, D. P., Strauss, M. A., & Yan, H. J. 2012, *ApJL*, 756, L38 (4 pp) (astro-ph/1207.3283)
- 170) “Constraining Stellar Assembly and Active Galactic Nucleus Feedback at the Peak Epoch of Star-Formation”  
Kimm, T., Kaviraj, S., Devriendt, J. E. G., Cohen, S. H., Windhorst, R. A., Dubois, Y., Slyz, A., Hathi, N. P., Ryan, R. E. Jr., O’Connell, R. W., Dopita, M. A., & Silk, J. 2012, *MNRAS*, 425, L96–L100 (5 pp) (astro-ph/1205.3801)
- 171) “Newborn Spheroids at High Redshift: When and How did the Dominant, Old Stars in Today’s Massive Galaxies Form?”  
Kaviraj, S., Cohen, S., Ellis, R. S., Peirani, S., Windhorst, R. A., O’Connell, R. W., Silk, J., Whitmore, B. C., Hathi, N. P., Ryan, R. E. Jr., Dopita, M. A., Frogel, J. A., & Dekel, A. 2013, *MNRAS*, 428, 925–934 (10 pp) (astro-ph/1206.2360)
- 172) “The Insignificance of Major Mergers in Driving Star-Formation at  $z \simeq 2$ ”  
Kaviraj, S., Cohen, S. H., Windhorst, R. A., Silk, J., O’Connell, R. W., Dopita, M. A., Dekel, A., Hathi, N. P., Straughn, A., & Rutkowski, M. 2013, *MNRAS*, 429, L40–L44 (5 pp) (astro-ph/1210.4160)
- 173) “Stellar Populations of Lyman Break Galaxies at  $z \simeq 1-3$  in the HST/WFC3 Early Release Science Observations”  
Hathi, N. P., Cohen, S. H., Ryan, R. E. Jr., Finkelstein, S. L., McCarthy, P. J., Windhorst, R. A., Yan, H., Koekemoer, A. M., Rutkowski, M. J., O’Connell, R. W., Straughn, A. N., Balick, B., Bond, H. E., Calzetti, D., Disney, M. J., Dopita, M. A., Frogel, J. A., Hall, D. N. B., Holtzman, J. A., Kimble, R. A., Paresce, F., Saha, A., Silk, J. I., Trauger, J. T., Walker, A. R., Whitmore, B. C., & Young, E. T. 2013, *ApJ*, 765, 88 (10 pp) (astro-ph/1206.6116)

- 174) “Investigating the Core Morphology–Seyfert Class relationship with Hubble Space Telescope Archival Imaging of local Seyfert galaxies”  
Rutkowski, M. J., Hegel, P. H., Kim, H., Tamura, K., Jansen, R. A., & Windhorst, R. A. 2013, *AJ*, 146, 11 (21 pp) (astro-ph/1301.4621)
- 175) “Emission-Line Galaxies from the Hubble Space Telescope Probing Evolution and Reionization Spectroscopically (PEARS) Grism Survey. II: The Complete Sample”  
Pirzkal, N., Rothberg, B., Ly, C., Malhotra, S., Rhoads, J. E., Grogin, N. A., Dahlen, T., Meurer, G. R., Walsh, J. R., Hathi, N. P., Cohen, S. H., Bellini, A., Holwerda, B. W., Straughn, A. N., Mechtley, M. & Windhorst, R. A. 2013, *ApJS*, 772, 48 (17 pp) (astro-ph/1208.5535)
- 176) “Physical Properties of Spectroscopically-Confirmed Galaxies at  $z \gtrsim 6$ . I. Basic Characteristics of the Rest-frame UV Continuum and Lyman-alpha Emission”  
Jiang, L., Egami, E., Mechtley, M., Fan, X., Cohen, S. H., Windhorst, R. A., Davé, R., Finlator, K., Kashikawa, N., Ouchi, M., & Shimasaku, K. 2013, *ApJ*, 772, 99 (20 pp) (astro-ph/1303.0024)
- 177) “A Lyman Break Galaxy in the Epoch of Reionization from HST Grism Spectroscopy”  
Rhoads, J. E., Malhotra, S., Stern, D., Dickinson, M., Pirzkal, N., Spinrad, H., Reddy, N., Hathi, N., Grogin, N., Koekemoer, A., Peth, M. A., Cohen, S., Zheng, Z., Budavari, T., Ferreras, I., Gardner, J., Gronwall, C., Zoltan H., Meurer, G., Moustakas, L., Panagia, N., Pasquali, A., Sahu, K., di Serego Alighieri, S., Straughn, A., Somerville, R., Walsh, J., Windhorst, R., Xu, C., & Yan H. 2013, *ApJ*, 773, 32 (7 pp) (astro-ph/1302.7005)
- 178) “Physical Properties of Spectroscopically-Confirmed Galaxies at  $z \gtrsim 6$ . II. Morphology of the Rest-Frame UV Continuum and Lyman-alpha Emission”  
Jiang, L., Egami, E., Fan, X., Windhorst, R. A., Cohen, S. H., Davé, R., Finlator, K., Kashikawa, N., Mechtley, M., Ouchi, M., & Shimasaku, K. 2013, *ApJ*, 773, 153 (14 pp) (astro-ph/1303.0027)
- 179) “The Role of Major Mergers in the Size Growth of Intermediate-Mass Spheroids”  
Kaviraj, S., Huertas-Company, M., Cohen, S., Peirani, S., Windhorst, R. A., O’Connell, R. W., Silk, J., Dopita, M. A., Hathi, N. P., Koekemoer, A. M., Mei, S., Rutkowski, M., Ryan, R. E., & Shankar, F. 2014, *MNRAS*, 443, 1861–1866
- 180) “Early-type Galaxies at Intermediate Redshift Observed with Hubble Space Telescope WFC3: Perspectives on Recent Star Formation”  
Rutkowski, M. J., Jeong, H.-J., Cohen, S. H., Kaviraj, S., Windhorst, R. A., Ryan Jr., R. E., Koekemoer, A., Yi, S. K., Hathi, N. P. & Dopita, M. A. 2014, *ApJ*, 796, 101 (15 pp) (astro-ph/1409.6683)
- 181) “Methods for Creating and Evaluating 3D Tactile Images to Teach STEM Courses to Visually Impaired and Blind Students”  
Hasper, E., Windhorst, R. A., Hedgpeth, T., Van Tuyl, L., Gonzales, A., Martinez, B., Yu, H. Farkas, Z., & Baluch, D. P. 2015, *J. of College Science Teaching*, Vol. 44, No. 6, p. 82–89
- 182) “The Brown-dwarf Atmosphere Monitoring (BAM) Project II: Multi-epoch Monitoring of Extremely Cool Brown Dwarfs”  
Rajan, A., Patience, J., Wilson, P. A., Bulger, J., De Rosa, R. J., Ward-Duong, K., Morley, C., Pont, F. & Windhorst, R. A. 2015, *MNRAS*, 448, 3775–3783 (astro-ph/1502.01346)
- 183) “‘‘ Observing and Analyzing’’ Images From a Simulated High Redshift Universe”  
Morgan, R. J., Windhorst, R. A., Scannapieco, E., & Thacker, R. J. 2015, *PASP*, 127, 803–824 (astro-ph/1507.07538)
- 184) “Do high energy astrophysical neutrinos trace star-formation?”  
Emig, K., Lunardini, C., & Windhorst, R. A. 2015, *J. of Cosmology & Astroparticle Physics* 12, 029 (28 pp) (astro-ph/1507.05711) <http://dx.doi.org/10.1088/1475-7516/2015/12/029>
- 185) “Physical Properties of Spectroscopically-confirmed Galaxies at  $z \gtrsim 6$ . III. Stellar Populations from SED Modeling with Secure Ly $\alpha$  Emission and Redshifts”



- Jiang, L., Finlator, K., Cohen, S. H., Egami, E., Windhorst, R. A., Fan, X., Dave, R., Kashikawa, N., Mechtley, M., Ouchi, M., Shimasaku, K., & Clément, B. 2016, *ApJ*, 816, 16 (18 pp) (astro-ph/1511.01519)
- 186) “Reverberation Mapping with Intermediate-band Photometry: Detection of Time Lags for a Sample of Quasars at  $z > 0.2$ ”  
Jiang, L., Shen, Y., McGreer, I. D., Fan, X., Morganson, E., & Windhorst, R. A. 2016, *ApJ*, 818, 137 (11 pp) (astro-ph/1511.01520)
- 187) “First Results from the Faint Infrared Grism Survey (FIGS): First Simultaneous Detection of Lyman- $\alpha$  emission and the Lyman Break from a Galaxy at  $z=7.51$ ”  
Tilvi, V., Pirzkal, N., Malhotra, S., Finkelstein, S. L., Rhoads, J. E., Windhorst, R., Grogin, N. A., Koekemoer, A., Zakamska, N., Ryan, R., Christensen, L., Hathi, N., Pharo, J., Joshi, B., Yang, H., Gronwall, C., Cimatti, A., Walsh, J., O’Connell, R., Straughn, A., Ostlin, G., Rothberg, B., Livermore, R. C., Hibon, P., & Gardner, J. P. 2016, *ApJ*, 827, L14 (6 pp) (astro-ph/1605.06519)
- 188) “Extra-galactic Background Light Measurements from the far-UV to the far-IR from Deep Ground and Space-based Galaxy Counts”  
Driver, S. P., Andrews, S. K., Davies, L. J., Robotham, A. S. G., Wright, A. H., Windhorst, R. A., Cohen, S. H., Emig, K., Jansen, R. A. & Dunne, L. 2016, *ApJ*, 827, 108 (15 pp) (astro-ph/1605.01523)
- 189) “Do The Most Massive Black Holes at  $z=2$  Grow via Major Mergers?”  
Mechtley, M., Jahnke, K., Windhorst, R. A., Andrae, R., Cisternas, M., Cohen, S. H., Hewlett, T., Koekemoer, A. M., Schramm, M., Schulze, A., Silverman, J. D., Villforth, C., van der Wel, A. & Wisotzki, L. 2016, *ApJ*, 830, 156 (29 pp) (astro-ph/1510.08461)
- 190) “VLA and ALMA Imaging of Intense, Galaxy-wide Star-Formation in  $z\sim 2$  Galaxies”  
Rujopakarn, W., Dunlop, J. S., Rieke, G. H., Ivison, R. J., Cibinel, A., Nyland, K., Jagannathan, P., Silverman, J. D., Alexander, D. M., Biggs, A. D., Bhatnagar, S., Ballantyne, D. R., Dickinson, M., Elbaz, D., Geach, J. E., Hayward, C. C., Kirkpatrick, A., McLure, R. J., Michalowski, M. J., Miller, N. A., Narayanan, D., Owen, F. N., Pannella, M., Papovich, C., Pope, A., Rau, U., Robertson, B. E., Scott, D., Swinbank, A. M., van der Werf, P., van Kampen, E., & Windhorst, R. A. 2016, *ApJ*, 833, 12 (11 pp) (astro-ph/1607.07710)
- 191) “Numerical Simulation of Star Formation by the Bow Shock of the Centaurus A Jet”  
Gardner, C. L., Jones, J. R., Scannapieco, E., & Windhorst, R. A. 2017, *ApJ*, 835, 232 (9 pp) (astro-ph/1610.02123)
- 192) “Analysis of the Intrinsic Mid-Infrared  $L$ -band to Visible–Near-Infrared Flux Ratios in Spectral Synthesis Models of Composite Stellar Populations”  
Kim, D., Jansen, R. A., & Windhorst, R. A. 2017, *ApJ*, 840, 28 (20 pp) (astro-ph/1603.07764v2)
- 193) “The Lyman Continuum escape fraction of faint galaxies at  $z\approx 3.3$  in the CANDELS/GOODS-North, EGS, and COSMOS fields with LBC”  
Grazian, A., Giallongo, E., Paris, D., Boutsia, K., Dickinson, M., Santini, P., Windhorst, R. A., Jansen, R. A., Cohen, S. H., Ashcraft, T. A., Scarlata, C., Rutkowski, M. J., Vanzella, E., Cusano, F., Cristiani, S., Giavalisco, M., Ferguson, H. C., Koekemoer, A., Grogin, N. A., Castellano, M., Fiore, F., Fontana, A., Marchi, F., Pedichini, F., Pentericci, L., Amoriñ, R., Barro, G., Bonchi, A., Bongiorno, A., Faber, S. M., Fumana, M., Galametz, A., Guaita, L., Kocevski, D. D., Merlin, E., Nonino, M., O’Connell, R. W., Pilo, S., Ryan, R. E., Sani, E., Speziali, R., Testa, V., Weiner, B., & Yan H. 2017, *A&A* 602A, A18 (16 pp) (astro-ph/1703.00354)
- 194) “The Lyman Continuum Escape Fraction of Emission Line-Selected  $z\sim 2.5$  Galaxies is less than 15%.”  
Rutkowski, M. J., Scarlata, C., Henry, A. Hayes, M., Mehta, V., Hathi, N., Cohen, S., Windhorst, R., Koekemoer, A. M., Teplitz, H. I., Haardt, F., & Siana, B. 2017, *ApJ*, 841, L27 (5 pp) (astro-ph/1705.06355)

- 195) “FIGS — Faint Grism Infrared Survey: Description and Data Reduction”  
Pirzkal, N., Malhotra, S., Ryan, R. E., Rothberg, B., Grogin, N., Finkelstein, S. L., Koekemoer, A. M., Rhoads, J., Larson, R., Christensen, L., Cimatti, A., Ferreras, I., Gardner, J. P., Gronwall, C., Hathi, N. P., Hibon, P., Joshi, B., Kuntschner, H., Meurer, G. R., O’Connell, R. W., O’stlin, G., Pasquali, A., Pharo, J. Straughn, A., Walsh, J. R., Watson, D., Windhorst, R. A., Zakamska N. L. & Zirm, A., 2017, *ApJ*, 846, 84 (21 pp) (astro-ph/1706.02669)
- 196) “The Effects of Atmospheric Cooling on Vertical Velocity Dispersion and Density Distribution of Brown Dwarfs”  
Ryan, R. E. Jr, Thorman, P. A. Schmidt, S. J., Cohen, S. H., Hathi, N. P., Holwerda, B. W., Lunine, J. I., Pirzkal, N., Windhorst, R. A., & Young, E. 2017, *ApJ*, 847, 53 (9 pp) (astro-ph/1708.02591)
- 197) “Hubble Space Telescope Wide Field Camera 3 Observations of Escaping Lyman Continuum Radiation from Galaxies and Weak AGN at Redshifts  $z \simeq 2.3\text{--}4.1$ ”  
Smith, B., Windhorst, R. A., Jansen, R. A., Cohen, S. H., Jiang, L., Dijkstra, M., Koekemoer, A. M., Bielby, R., Inoue, A., MacKenty, J. W., O’Connell, R. W., & Silk, J. I. 2018, *ApJ*, 853, 191 (30 pp) (astro-ph/1602.01555v2)
- 198) “MUSE Spectroscopy and Deep Observations of a Unique Compact JWST Target, Lensing Cluster CLIO”  
Griffiths, A., Conselice, C. J., Alpaslan, M., Frye, B. L., Diego, J. M., Zitrin, A., Yan, H., Ma, Z., Barone-Nugent, R., Bhatawdekar, R., Driver, S. P., Robotham, A. S. G., Windhorst, R. A., & Wyithe, J. S. B. 2018, *MNRAS*, 475, 2853 (17 pp) (astro-ph/1801.01140)
- 199) “On the Observability of Individual Population III Stars and their Stellar-mass Black Hole Accretion Disks through Cluster Caustic Transits”  
Windhorst, R. A., Timmes, F. X., Wyithe, J. S. B., Alpaslan, M., Andrews, S. K., Coe, D., Diego, J. M., Dijkstra, M., Driver, S. P., Kelly, P. L., & Kim, D. 2018, *ApJS*, 234, 41 (40 pp) (astro-ph/1801.03584)
- 200) “Spectrophotometric Redshifts in the FIGS Survey: Tracing Large Scale Structure for Faint Galaxies”  
Pharo, J., Malhotra, S., Ryan, R. E., Rothberg, B., Grogin, N., Finkelstein, S. L., Koekemoer, A. M., Rhoads, J., Larson, R., Christensen, L., Cimatti, A., Ferreras, I., Gardner, J. P., Gronwall, C., Hathi, N. P., Hibon, P., Joshi, B., Kuntschner, H., Meurer, G. R., O’Connell, R. W., O’stlin, G., Pasquali, A., Straughn, A., Walsh, J. R., Watson, D., Windhorst, R. A., Zakamska N. L. & Zirm, A., 2018, *ApJ*, 856, 116 (17 pp) (astro-ph/1802.02239)
- 201) “Ultra-deep Large Binocular Camera U-band Imaging of the GOODS-North Field: Depth vs. Resolution”  
Ashcraft, T. A., Windhorst, R. A., Jansen, R. A., Cohen, S. H., Grazian, A., Paris, D., Fontana, A., Giallongo, E., Speziali, R., Testa, V., Boutsia, K., O’Connell, R. W., Rutkowski, M. J., Ryan, R. E., Scarlata, C., & Weiner, B. 2018, *PASP*, 130, 064102 (14 pp) (astro-ph/1703.09874)
- 202) “Discovery of a  $z=7.452$  High-Equivalent Width Lyman- $\alpha$  Emitter from the Hubble Space Telescope Faint Infrared Grism Survey”  
Larson, R. L., Finkelstein, S. L., Pirzkal, N., Ryan, R., Tilvi, V. Malhotra, S., Rhoads, J., Finkelstein, K., Jung, I., Christensen, L., Cimatti, A., Ferreras, I., Grogin, N., Koekemoer, A. M., Hathi, N., O’Connell, R., O’stlin, G., Pasquali, A., Pharo, J., Rothberg, B., Windhorst, R. A. & The FIGS Team 2018, *ApJL*, 858, 94 (10 pp) (astro-ph/1712.05807)
- 203) “Deep Extragalactic Visible Legacy Survey (DEVILS): Motivation, Design and Target Catalogue”  
Davies, L. J. M., Robotham, A. S. G., Driver, S. P., Lagos, C. P., Cortese, L., Mannering, E., Foster, C., Lidman, C., Hashemizadeh, A., Koushan, S., O’Toole, S., Baldry, I. K., Bilicki, M., Bland-Hawthorn, J., Bremer, M. N., Brown, M. J. I., Bryant, J. J., Catinella, B., Croom, S. M., Grootes, M. W., Holwerda, B. W., Jarvis, M. J., Maddox, N., Meyer, M., Moffett, A. J., Phillipps, S., Taylor, E. N., Windhorst, R. A., & Wolf, C., 2018, *MNRAS*, in press (astro-ph/1806.05808)

- 204) “Magnification Bias of Distant Galaxies in the Hubble Frontier Fields: Testing Wave vs. Particle Dark Matter Predictions”  
Leung, E., Broadhurst, T., Lim, J., Diego, J. M., Chiueh, T., Schive, H.-Y., & Windhorst, R. 2018, ApJ, in press (astro-ph/1806.07905)
- 205) “Galaxy Structure in the Ultraviolet: The Dependence of Morphological Parameters on Rest-Frame Wavelength”  
Mager, V. A., Conselice, C. J., Seibert, M., Madore, B. F., & Windhorst, R. A., 2018, ApJ, in press
- Total current number of published pages in refereed journals: 2780*

### 1.b. Papers submitted or resubmitted to refereed journals

- 206) “FIGS: Spectral Fitting Constraints on the Star Formation History of Massive Galaxies at Cosmic Noon”  
Ferrerias, I., Pasquali, A., Pirzkal, N., Pharo, J., Malhotra, S., Rhoads, Hathi, N. P., Windhorst, R. A., Cimatti, A., Christensen, L., Finkelstein, S. L., Grogin, N., Joshi, B., Kim, K., Koekemoer, A. M., O’Connell, R. W., Oštin, G., Rothberg, B., & Ryan, R. E. 2018, MNRAS, submitted (astro-ph/1805.03665)
- 207) “PLCK G165.7+67.0: A New Massive Lensing Cluster Discovered in an HST Census of Submillimeter Giant Arcs Selected Using Planck/Herschel”  
Frye, B. L., Pascale, M., Zitrin, A., Diego, J., Qin, Y., Walth, G., Yan, H., Conselice, C. J., Alpaslan, M., Coe, D., Bauer, A., Cohen, S. H., Jansen, R. A., Dole, H., Donahue, M., Norman, D., Rabien, S., & Windhorst, R. A. 2018, ApJ, submitted (astro-ph/1805.04790)
- 208) “A Two-Dimensional Spectroscopic Study of Emission Line Galaxies in the Faint Infrared Grism Survey (FIGS): I. Method and Catalog”  
Pirzkal, N., Rothberg, B., Ryan, R. E., Malhotra, S., Rhoads, J., Grogin, N., Curtis-Lake, E., Chevillard, J., Charlot, S., Finkelstein, S. L., Koekemoer, A. M., Larson, R. L., Ghavamian, P., Christensen, L., Cimatti, A., Ferreras, I., Gardner, J. P., Gronwall, C., Hathi, N. P., Joshi, B., Kuntschner, H., Meurer, G. R., O’Connell, R. W., Oštin, G., Pasquali, A., Pharo, J., Straughn, A. N., Walsh, J. R., Watson, D., Windhorst, R. A., Zakamska N. L. & Zirm, A., 2018, ApJ, submitted (astro-ph/1806.01787)
- 209) “The *James Webb Space Telescope* North Ecliptic Pole Time-Domain Field — I: Field Selection of a *JWST* Community Field for Time-Domain Studies”  
Jansen, R. A., & Windhorst, R. A. 2018, PASP, submitted

### 1.c. Papers in preparation for refereed journals

- 210) “Pre-Processing of Galaxies in the Early Stages of Cluster Formation in Abell 1882 at  $z=0.139$ ”  
Sengupta, A., Keel, W. C., Morrison, G., Windhorst, R. A., & Smith, B. 2018, ApJ, in preparation
- 211) “4000Å Break Strengths and Grism Redshifts for  $z\sim 1$  Galaxies and Implications for Redshift Measurements with WFIRST and EUCLID”  
Joshi, B. Malhotra, S., Windhorst, R. A., Rhoads, J. E., & Cohen, S. H. 2018, ApJ, in preparation
- 212) “Multi-Color Pixel-Based Analysis of Nearby Late-Type galaxies”  
Kim, D., Jansen, R. A., Windhorst, R. A., Cohen, S. H., Tyburczy, T., & Tamura, K. 2018, ApJ, in preparation
- 213) “Hubble Space Telescope Wide Field Camera 3 Observations of Escaping Lyman Continuum Radiation from a bright Quasar at  $z=2.58$ ”  
White, C., Smith, B., Windhorst, R. A., Cohen, S. H., & Jansen, R. A. 2018, ApJL, in preparation
- 214) “Discovery of a Merging Host System of a  $z=5.85$  Quasar by the Hubble Space Telescope Wide Field Camera 3”

Marshall, M., Mechtley, M., Windhorst, R. A., Jiang, L., Ryan, R. E., Schneider, G., Cohen, S. H., Jansen, R. A., Fan, X., Hathi, N. P., Keel, W. C., Koekemoer, A. M., Rottgering, H., Scannapieco, E., Schneider, D. P., Strauss, M. A., & Yan, H. J. 2018, ApJL, in preparation

215) “Rest-Frame Ultraviolet Properties of  $z \simeq 6$  Quasar Host Galaxies”

Marshall, M., Mechtley, M., Windhorst, R. A., Jiang, L., Ryan, R. E., Schneider, G., Cohen, S. H., Jansen, R. A., Fan, X., Hathi, N. P., Keel, W. C., Koekemoer, A. M., Rottgering, H., Scannapieco, E., Schneider, D. P., Strauss, M. A., & Yan, H. J. 2018, ApJL, in preparation

216) “Large Binocular Camera *Ugriz* Pre-imaging of the *JWST* North Ecliptic Pole Survey Field”

Jansen, R. A., Ashcraft, T. A., Joshi, B., Windhorst, R. A., Rieke, M. J., Cohen, S. H., Willmer, C., et al. 2018, PASP, in preparation.

217) “Do the Highest-Accretion Black Holes at  $z=2$  Grow via Major Mergers?”

Marian, V., Mechtley, M., Jahnke, K., Windhorst, R. A., Andrae, R., Cisternas, M., Cohen, S. H., Hewlett, T., Koekemoer, A. M., Schramm, M., Schulze, A., Silverman, J. D., Villforth, C., van der Wel, A. & Wisotzki, L. 2018, A&A, in preparation

218) “A WFPC2 Archival Study to Map the All-Sky Zodiacal Background: Constraints to the Faint Kuiper Belt Object population”

Windhorst, R. A., Jansen, R. A., Aloï, A., Bruursema, J., Cohen, S. H., Hutchison, H., Rogers, J., Kenyon, S., Gomez, M., & Petro, L. 2018, ApJ, in preparation

## 2. Invited review papers (published or in press)

- 1) “The Second Anniversary of the Einstein Observatory: The Relevance of Modern X-ray Astronomy to Cosmology” (in Dutch).  
Windhorst, R. A. 1980, in *Ruimtevaart*, 29, 270–303
- 2) “Evidence from Deep Radio Surveys for Cosmological Evolution”  
van der Laan, H., & Windhorst, R. A. 1982, in “Astrophysical Cosmology”, Proc. of the Study Week on Cosmology and Fundamental Physics, Eds. H. A. Brück, G. V. Coyne, & M. S. Longair (Vaticano: Pontificia Academia Scientiarum), *Pontificiae Academiae Scientiarum Scripta Varia*, Vol. 48, 349–371
- 3) “The Cosmological Evolution of Radio Sources”  
Windhorst, R. A. 1985, in “Reports on Astronomy”, Ed. R. M. West (Dordrecht: Reidel), *IAU Transactions*, Vol. XIX-A, 681–694
- 4) “Is the Upturn in the Source Counts Caused by Primeval Radio Galaxies?”  
Windhorst, R. A. 1986, in “Highlights of Astr.”, Ed. J.-P. Swings (Dordrecht: Reidel), Vol. 7, 355–366
- 5) “Future Prospects of Supercomputers in Observational Astronomy”  
Windhorst, R. A. 1989, in the “Fourth International Conference on Supercomputing”, Eds. L. P. Kartashev & S. I. Kartashev (St. Petersburg, FL: International Supercomputing Institute), Vol. II, 307–316
- 6) “The Evolution of Weak Radio Galaxies at Radio and Optical Wavelengths”  
Windhorst, R. A., Mathis, D. F., & Neuschaefer, L. W. 1990, in “Evolution of the Universe of Galaxies (Edwin Hubble Centennial Symposium)”, Ed. R. G. Kron (Provo, UT: BookCrafters, Inc.), *ASP Conf. Ser.*, Vol. 10, 389–403
- 7) “The Nature of Faint Galaxies from the Medium Deep Survey and Other Deep HST Images”  
Windhorst, R. A., Driver, S. P., Ostrander, E. J., Mutz, S. B., Schmidtke, P. C., Griffiths, R. E., Ratnatunga, K. U., Casertano, S., Im, M., Neuschaefer, L. W., Ellis, R. S., Gilmore, G. F., Elson, R. A. W., Glazebrook, K., Santiago, B., Keel, W. C., Koo, D. C., Illingworth, G. D., Forbes, D. A., Phillips, A. C., Green, R. F., Huchra, J. P., & Tyson, J. A. 1996, in Proc. of the Max Planck Workshop on “Galaxies in the Young Universe”, Eds. H. Hippelein, K. Meisenheimer, & H. -J. Roeser (Berlin: Springer Verlag), *Springer Lecture Notes in Physics*, Vol. 463, 265–272 (+ frontispiece)
- 8) “Caught in the Act: The Identification of the Galaxies Responsible for the Faint Blue Excess”  
Driver, S. P., Windhorst, R. A., & Griffiths, R. E. 1996, in “New Light on Galaxy Evolution”, Eds. R. Bender & R. L. Davies (Dordrecht: Kluwer), *IAU Symposium 171*, 221–224 (astro-ph/9511135)
- 9) “Morphological Number-Counts from Ultradeep HST Images”  
Driver, S. P., & Windhorst, R. A. 1996, in “Clustering in the Universe”, Eds. S. Maurogordato, C. Balkowski, C. Tao, J. Tran Thanh Van (Gif-sur-Yvette: Editions Frontieres), Proc. of the XXX<sup>th</sup> Moriond Astrophysics Meeting, 407–416 (astro-ph/9511134)
- 10) “The HST Medium Deep Survey: Progress Towards Resolution of the Faint Blue Galaxy Problem”  
Griffiths, R. E., Ratnatunga, K. U., Casertano, S., Im, M., Neuschaefer, L. W., Ostrander, E. J., Ellis, R. S., Glazebrook, K., Windhorst, R. A., Driver, S. P., Mutz, S. B., Green, R. F., Sarajedini, V., Huchra, J. P., & Tyson, J. A. 1997, in the Sesto International Workshop on “Observational Cosmology: From Galaxies to Galaxy Systems”, Eds. F. Mardirossian & G. Palumbo, *Ap. Lett. Comm.* 36, 355–364
- 11) “Results from Parallel and Other Deep HST Surveys: Galaxy Counts vs. Type for  $19 \lesssim B \lesssim 29$ , & Galaxy Formation from Sub-galactic Clumps”

- Windhorst, R., Pascarelle, S., Odewahn, S., Cohen, S., Burg, C., Keel, W., & Driver, S. 1998, in “The Hubble Deep Field”, Eds. M. Livio, S. M. Fall, & P. Madau (Cambridge University Press), STScI Conf. Proc., 481–505
- 12) “Constraints from milliJansky and microJansky Radio Sources: Clues to (Radio) Galaxy Formation from Deep HST Images”  
Windhorst, R. A. 1999, in “The Most Distant Radio Galaxies”, Eds. H. J. A. Röttgering, P. N. Best & M. D. Lehnert (Amsterdam: KNAW Publications), Proc. of the Royal Netherlands Academy of Sciences, Vol. 49, 321–340
  - 13) “Clues from Deep HST Images to Galaxy Formation and the Role of Mergers”  
Windhorst, R. A., Cohen, S. H., & Waddington, I. 1999, in the 9<sup>th</sup> Annual October Astrophysics Conference in Maryland on “After the Dark Ages: When Galaxies Were Young (the Universe at  $2 < z < 5$ )”, Eds. S. S. Holt & E. P. Smith, AIP Conf. Proc., Vol. 470, 202–215 (New York: American Institute of Physics)
  - 14) “The Vigor of Radio Astronomy at Hy Age: A Review of Faint Radio Source Populations”  
Windhorst, R. A., Hopkins, A., Richards, E. A., & Waddington, I. 2000, in “The Hy-Redshift Universe: Galaxy Formation and Evolution at High Redshift”, Eds. A. J. Bunker & W. J. M. van Breugel (Provo, UT: Brigham Young University), ASP Conf. Ser., Vol. 193, 55–70
  - 15) “Young and Old Galaxies at High Redshift”  
Windhorst, R. A., Odewahn, S. C., Burg, C., Cohen, S. H., & Waddington, I. 2000, in Proceedings of the New South Africa Conference on “Toward a New Millennium in Galaxy Morphology: from  $z=0$  to the Lyman Break”, Eds. D. L. Block, I. Puerari, A. Stockton & D. Ferreira (Dordrecht: Kluwer), Astrophysics and Space Science, Vol. 269–270, 243–262 (invited review and refereed paper).
  - 16) “Leaving the Dark Ages: Unmasking the Mask – Conference Summary”  
Windhorst, R., Abraham, R., Buta, R., Elmegreen, B., Freeman, K., Greenberg, M., Illingworth, G., & Sanders, D. 2000, in Proceedings of the New South Africa Conference on “Toward a New Millennium in Galaxy Morphology: from  $z=0$  to the Lyman Break”, Eds. D. L. Block, I. Puerari, A. Stockton & D. Ferreira (Dordrecht: Kluwer), Astrophysics and Space Science, Vol. 269–270, 675–690 (Conference Summary)
  - 17) “Nature and Evolution of Faint Radio Source Populations”  
Windhorst, R. A., & Waddington, I. 2001, in “The Birth of Galaxies”, Eds. B. Guiderdoni, F. R. Bouchet, T. X. Thuan, & J. Trân Thanh Vân (Hanoi: Thé Gioi Publishers), Proc. of the X<sup>th</sup> Rencontres de Blois, p. 85–94
  - 18) “The MicroJansky and NanoJansky Population”  
Windhorst, R. A. 2003, in Proceedings of the Leiden/Lorentz Workshop on “High-Redshift Radio Galaxies — Past, Present and Future”, Eds. M. J. Jarvis & H. J. A. Röttgering (Amsterdam: Elsevier), New Astron. Rev., Vol. 47, No. 4–5, 357–365
  - 19) “HST mid-UV Imaging of Nearby Galaxies”  
Windhorst, R. A., Taylor, V. A., & Jansen, R. A. 2004, in Proceedings of the New South Africa Conference on “Penetrating Bars through Masks of Cosmic Dust — The Hubble Tuning Fork Strikes a New Note”, Eds. D. L. Block, I. Puerari, K. C. Freeman, R. Groess, & E. K. Block (Dordrecht: Kluwer), Astrophysics and Space Science, Vol. 319, p. 429–440 and p. 826–827 (review paper and panel discussion)
  - 20) “How JWST can measure First Light, Reionization and Galaxy Assembly”  
Windhorst, R. A., Cohen, S. H., Jansen, R. A., Conselice, C., & Yan, H. 2006, in Proceedings of the UC Irvine Workshop on “First Light and Reionization: Theoretical Study and Experimental Detection of the First Luminous Sources”, Eds. A. Cooray & E. Barton, New Astron. Rev., Vol. 50, Issues 1–3, p. 113–120 (astro-ph/0506253)
  - 21) “Generation-X: an X-ray Observatory designed to observe First Light Objects”

- Windhorst, R. A., Cameron, R. A., Brissenden, R. J., Elvis, M. S., Fabbiano, G., Gorenstein, P., Reid, P. B., Schwartz, D. A., Bautz, M. W., Figueroa-Feliciano, E., Petre, R., White, N. E., & Zhang, W. W. 2006, in Proceedings of the UC Irvine Workshop on “First Light and Reionization: Theoretical Study and Experimental Detection of the First Luminous Sources”, Eds. A. Cooray & E. Barton, *New Astron. Rev.*, Vol. 50, Issues 1–3, p. 121–126
- 22) “Did Galaxy Assembly and Supermassive Black-Hole Growth go hand-in-hand?”  
Windhorst, R. A., Cohen, S. H., Straughn, A. N., Ryan Jr., R. E., Hathi, N. P., Jansen, R. A., Koekemoer, A. M., Pirzkal, N., Xu, C., Mobasher, B., Malhotra, S., Strolger, L., & Rhoads, J. E. 2006, in Proceedings of the Leiden/Lorentz Workshop on “QSO Host Galaxies: Evolution and Environments”, Eds. P. D. Barthel & D. B. Sanders, *New Astron. Rev.*, Vol. 50, Issues 9–10, p. 821–828 (astro-ph/0601202)
- 23) “Science with the James Webb Space Telescope”  
Gardner, J. P., Mather, J. C., Clampin, M., Doyon, R., Greenhouse, M. A., Hammel, H. B., Hutchings, J. B., Jakobsen, P., Lilly, S. J., Long, K. S., Lunine, J. I., McCaughrean, M. J., Mountain, M., Nella, J., Rieke, G. H., Rieke, M. J., Rix, H.-W., Smith, E. P., Sonneborn, G., Stiavelli, M., Stockman, H. S., Windhorst, R. A., & Wright, G. S. 2006, in “Space Telescopes and Instrumentation I: Optical, Infrared, and Millimeter”, *Proc. SPIE*, Vol. 6265, p. 17–28, Eds. J. C. Mather, H. A. MacEwen, & M. W. M. de Graauw (review paper)
- 24) “The James Webb Space Telescope”  
Gardner, J. P., Mather, J. C., Clampin, M., Doyon, R., Greenhouse, M. A., Hammel, H. B., Hutchings, J. B., Jakobsen, P., Lilly, S. J., Long, K. S., Lunine, J. I., McCaughrean, M. J., Mountain, M., Nella, J., Rieke, G. H., Rieke, M. J., Rix, H.-W., Smith, E. P., Sonneborn, G., Stiavelli, M., Stockman, H. S., Windhorst, R. A., & Wright, G. S. 2006, *Space Science Reviews*, 123, 485–606 (refereed review paper; astro-ph/0606175; [www.springerlink.com/content/1572-9672/](http://www.springerlink.com/content/1572-9672/))
- 25) “High Resolution Science with High Redshift Galaxies”  
Windhorst, R. A., Hathi, N. P., Cohen, S. H., Jansen, R. A., Kawata, D., Driver, S. P., & Gibson, B. 2008, in Proceedings of the 36<sup>th</sup> COSPAR Scientific Assembly on “Challenges in High Resolution Space Astronomy: Astrophysics, Technology and Data”, Eds. M. A. Shea et al. (Amsterdam: Elsevier), *J. Adv. Space Res.*, Vol. 41, 1965–1971 (refereed review paper; astro-ph/0703171; Epub: [www.sciencedirect.com](http://www.sciencedirect.com), doi: 10.1016/j.asr.2007.07.005)
- 26) “The James Webb Space Telescope”  
Gardner, J. P., Mather, J. C., Clampin, M., Doyon, R., Flanagan, K. A., Franx, M., Greenhouse, M. A., Hammel, H. B., Hutchings, J. B., Jakobsen, P., Lilly, S. J., Lunine, J. I., McCaughrean, M. J., Mountain, M., Rieke, G. H., Rieke, M. J., Sonneborn, G., Stiavelli, M., Windhorst, R. A., & Wright, G. S. 2008, in “Astrophysics in the Next Decade: JWST and Concurrent Facilities”, *New Astron. Rev.*, Vol. 52, Issues. 11–12, pg. 1–24 (Eds. Stockman, P., & Thronson, H.)
- 27) “GiGa”: the Billion Galaxy HI Survey — Tracing Galaxy Assembly from Reionization to the Present.”  
Windhorst, R. A., Cohen, S. H., Hathi, N. P., Jansen, R. A., & Ryan, R. E. 2008, in Proc. of the Arecibo Conference on: “The Evolution of Galaxies through the Neutral Hydrogen Window”, Eds. R. Minchin, & E. Momjian, *AIP Conf. Proc.*, Vol. 1035, p. 318–327 (New York: American Institute of Physics; astro-ph/0806.2001)
- 28) “How HST/WFC3 and JWST can Measure Galaxy Assembly and AGN Growth”  
Windhorst, R. A., & Cohen, S. H. 2010, in Proc. of the UT Austin Workshop on “The First Stars and Galaxies: Challenges for the Next Decade”, Eds. D. J. Whalen & V. Bromm, *AIP Conf. Proc.*, Vol. 1291, p. 225–233
- 29) “Observing Galaxy Assembly with the James Webb Space Telescope”  
Windhorst, R. A., 2013, in *Space Telescope Science Institute Newsletter*, Vol. 30, Issue 2, pg. 31–34, Eds. R. A. Brown (<https://blogs.stsci.edu/newsletter/volume-30-issue-02/> ; Baltimore: Space Telescope Science Institute)

- 30) “Science Impacts of the SPHEREx All-Sky Optical to Near-Infrared Spectral Survey”  
Doré, O., Werner, M., Ashby, M., Banerjee, P., Battaglia, N., Bauer, J., Benjamin, R. A., Bleem, L. E., Bock, J., Boogert, A., Bull, P., Capak, P., Chang, T-C., Chiar, J., Cohen, S. H., Cooray, A., Crill, B., Cushing, M., de Putter, R., Driver, S. P., Eifler, T., Feng, C., Ferraro, S., Finkbeiner, D., Gaudi, B. S., Greene, T., Hillenbrand, L., Höflich, P. A., Hsiao, E., Huppenberger, K., Jansen, R. A., Jeong, W.-S., Joshi, B., Kim, D., Kim, M., Kirkpatrick, J. D., Korngut, P., Krause, E., Kriek, M., Leistedt, B., Li, A., Lisse, C., Malhotra, S., Mauskopf, P., Mechtley, M., Melnick, G., Mohr, J., Murphy, J., Neben, A., Neufeld, D., Nguyen, H., Pierpaoli, E., Pyo, J.-H., Rhoads, J. E., Rhodes, J., Sandstrom, K., Schaan, E., Schlaufman, K., Silverman, J., Su, K., Stassun, K., Stevens, D., Strauss, M., Tielens, X., Tsai, C.-W., Tolls, V., Unwin, S., Viero, M., Windhorst, R. A., & Zemcov, M. 2016, Report of a Community Workshop Examining Extragalactic, Galactic, Stellar and Planetary Science (NASA, IPAC) (astro-ph/1606.07039)
- 31) “Science Impacts of the SPHEREx All-Sky Optical to Near-Infrared Spectral Survey II”  
Doré, O., Werner, M. W., Ashby, M. L., Bleem, L. E., Bock, J., Burt, J. Capak, P., Chang, T.-C., Chaves-Montero, J., Chen, C. H., Civano, F., Cleeves, I. I., Cooray, A., Crill, B., Crossfield, I. J. M., Cushing, M., de la Torre, S., Di Matteo, T., Dvory, N., Dvorkin, C., Espaillat, C., Ferraro, S., Finkbeiner, D., Greene, J., Hewitt, J., Hogg, D. W., Huppenberger, K., Ilbert, O., Jeong, W.-S., Johnson, J., Jun, H.-S., Kim, M., Kirkpatrick, J. D., Kowalski, T., Korngut, P., Li, J., Lisse, C. M., MacGregor, M., Mamajek, E. E., Mauskopf, P., Melnick, G., Ménard, B., Neyrinck, M., Oberg, K., Pisani, A., Rocca, J., Salvato, M., Schaan, E., Scoville, N. Z., Song, Y.-S., Stevens, D. J., Tennesi, A., Teplitz, H., Tolls, V., Unwin, S., Urry, M., Wandelt, B., Williams, B. W., Wilner, D., Windhorst, R. A., Wolk, S., Yorke, H. W., & Zemcov, M. 2018, Report of a Community Workshop on the Scientific Synergies Between the SPHEREx Survey and Other Astronomy Observatories (NASA, IPAC) (astro-ph/1805.05489)
- 32) “SPHEREx: An All-Sky NIR Spectral Survey”  
Korngut, P. M., Bock, J. J., Akeson, R., Ashby, M., Bleem, L., Boland, J., Bolton, D., Bradford, S., Braun, D., Bryan, S., Capak, P., Chang, T-C., Coffey, A., Cooray, A., Crill, B., Doré, O., Eifler, T., Feng, C., Habib, S., Heitmann, K., Hemmati, S., Hirata, C., Jeong, W-S., Kim, M., Kirkpatrick, J. D., Kowalkowski, T., Krause, E., Lisse, C., Mauskopf, P., Masters, D., McGuire, J., Melnick, G., Nguyen, H., Nayyeri, H., Oberg, K., de Putter, R., Purcell, W., Rocca, J., Runyan, M., Sandstrom, K., Smith, R., Song, Y-S., Stickley, N., Stober, J., Susca, S., Teplitz, H., Tolls, V., Unwin, S., Werner, M., Windhorst, R., & Zemcov, M. 2018 SPIE, in press



### 3. Books and chapters of books

- 1) “The Columbus Project Phase 1 Report”  
Kron, R. G. et al. 1988, in “Columbus Project Phase 1 Report”, Report for the Columbus Project Council by the Scientific Advisory Committee, Edition 2.0, (University of Chicago: Yerkes Observatory), 1–196
- 2) “Radio Sources and Cosmology”  
Windhorst, R. A. 1991, in “The Astronomy and Astrophysics Encyclopedia”, Ed. S. Maran (Florence KY: Van Nostrand Reinhold), 591–595 (refereed).
- 3) “Tracking Cosmic Star Formation: Continuum Deep Field”  
Murphy, E., Condon, J., Carilli, C., de Breuck, C., Maccarone, T., Röttgering, H., & Windhorst, R. 2009, in “The Square Kilometer Array Design Reference Mission: SKA-mid and SKA-lo”, Chapter 6, pg. 41–49 <http://www.skatelescope.org/>

#### 4.a. Non-refereed research papers (published or in press)

- 1) “Colors of Radio Galaxies at High Redshifts”  
Windhorst, R. A., Kron, R. G., Koo, D. C., & Katgert, P. 1982, in “Extragalactic Radio Sources”, Eds. D. S. Heeschen, & C. M. Wade (Dordrecht: Reidel), IAU Symposium 97, 427–431
- 2) “Colors of Faint Radio Galaxies”  
van der Laan, H., & Windhorst, R. A. 1982, in “Astrophysical Cosmology”, Proc. of the Study Week on Cosmology and Fundamental Physics, Eds. H. A. Brück, G. V. Coyne, & M. S. Longair (Vaticano: Pontificia Academia Scientiarum), Pontificiae Academiae Scientiarum Scripta Varia, Vol. 48, 263–267
- 3) “The Evolution of the Radio Galaxy Population as Determined from Deep Radio Optical Surveys”  
van der Laan, H., Katgert, P., Windhorst, R. A., & Oort, M. J. A. 1983, in “Early Evolution of the Universe and its Present Struct Eds. G. O. Abell, & G. Chincarini (Dordrecht: Reidel), IAU Symposium 104, 73–79
- 4) “Near Infrared Photometry of Faint Radio Galaxies”  
Windhorst, R. A., Puschell, J. J., & Thuan, T. X. 1983, in “Early Evolution of the Universe and its Present Struct Eds. G. O. Abell, & G. Chincarini (Dordrecht: Reidel), IAU Symposium 104, 83–84
- 5) “Faint Radio Galaxy Populations: Deep Radio Surveys and Multicolor Photometry”  
Windhorst, R. A. 1984, Ph.D. Dissertation, University of Leiden, 1–240
- 6) “Comet Maury (1985k)”  
Schombert, J., Windhorst, R., Kowal, C., Singer-Brewster, S., Schneeberger, D., Gallup, M., Helin, E., & Marsden, B. G. 1985, IAU Circ., 4105, 1
- 7) “Constraints on the Ages of Giant Elliptical Radio Galaxies”  
Windhorst, R. A., Koo, D. C., & Spinrad, H. 1986, in “Galaxy Distances and Deviations from Universal Expansion”, Eds. B. F. Madore, & R. B. Tully (Dordrecht: Reidel), NATO Advanced Science Institutes Series, Vol. C180, 197–202
- 8) “Ultradeep Optical Identifications and Spectroscopy of Faint Radio Galaxies”  
Windhorst, R. A., Dressler, A., & Koo, D. C. 1987, in “Observational Cosmology”, Eds. A. Hewitt, G. Burbidge, & L. Z. Fang (Dordrecht: Reidel), IAU Symposium 124, 573–576
- 9) “Optical Spectra of Low Flux Radio Sources”  
Koo, D. C., Kron, R. G., & Windhorst, R. A. 1989, in “Active Galactic Nuclei”, Eds. D. E. Osterbrock, & J. S. Miller (Dordrecht: Kluwer), IAU Symposium 134, 518–519

- 10) “Comparison of Seven Faint-Galaxy Photometry Packages”  
Koo, D. C., Ellis, R. S., & Windhorst, R. A. 1989, in the “First ESO/ST-ECF Data Analysis Workshop”, Eds. P. J. Grosbol, F. Murtagh, & R. H. Warmels (Munich: ESO), ESO Conf. Proc., Vol. 31, 19–25
- 11) “The Galaxy Two-Point Correlation Function down to  $V=26$  on  $0.5^\circ$  Scales”  
Windhorst, R. A., & Neuschaefer, L. W. 1991, in “After the First Three Minutes”, Eds. S. S. Holt, C. L. Bennett, & V. Trimble (New York: American Institute of Physics), AIP Conf. Proc., Vol. 222, 316–321
- 12) “Fine-Scale Microwave Fluctuations at  $\lambda = 3.6$  cm”  
Fomalont, E. B., Lowenthal, J., Partridge, R. B., & Windhorst, R. A. 1991, in “After the First Three Minutes”, Eds. S. S. Holt, C. L. Bennett, & V. Trimble (New York: American Institute of Physics), AIP Conf. Proc., Vol. 222, 140
- 13) “Evidence for Initial Star Formation at  $z \geq 3$ ”  
Windhorst, R. A., Burstein, D., Mathis, D. F., Neuschaefer, L. W., Bertola, F., Buson, L. M., Koo, D. C., Matthews, K., Barthel, P. D., & Chambers, K. C. 1991, in “Galaxy Environments and the Large Scale Structure of the Universe”, Eds. G. Giuricin, F. Mardirossian, & M. Mezzetti (Scuola Internazionale Superiore di Studi Avanzati, Trieste), Vol. 146, no pagenumbers.
- 14) “Initial Results from a ROSAT Deep Survey in Lynx”  
Anderson, S. F., Windhorst, R. A., Maccacaro, T., Burstein, D., Franklin, B. E., Griffiths, R. E., Koo, D. C., Mathis, D. F., Morgan, W. A., & Neuschaefer, L. W. 1992, in “X-ray Emission from Active Galactic Nuclei and the Cosmic X-ray Background”, Eds. W. Brinkmann & J. Trümper (Garching: Max Planck Institute), p. 227–230
- 15) “HST/WFC Imaging of Distant Weak Radio Galaxies”  
Windhorst, R. A., Ferro, A. J., Gordon, J. M., Mathis, D. F., Neuschaefer, L. W., & Keel, W. C. 1993, in “Science with the Hubble Space Telescope”, Eds. P. Benvenuti & E. Schreier (Munich: European Southern Observatory), ESO Conf. Proc., Vol. 44, 21–31
- 16) “The Hubble Space Telescope Medium Deep Survey: Status Report and First Results”  
Griffiths, R., Ratnatunga, K., Doxsey, R., Ellis, R., Glazebrook, K., Gilmore, G., Elson, R., Schade, D., Green, R., Valdes, F., Huchra, J., Illingworth, G., Koo, D., Schmidt, M., Tyson, A., Windhorst, R., Neuschaefer, L., Pascarelle, S., & Schmidtke, P. 1993, in “Science with the Hubble Space Telescope”, Eds. P. Benvenuti & E. Schreier (Munich: European Southern Observatory), ESO Conf. Proc., Vol. 44, 13–20
- 17) “Limits to the Evolution of Faint Galaxy Clustering”  
Neuschaefer, L. W., & Windhorst, R. A. 1993, in the Milano International Symposium on “Observational Cosmology”, Eds. G. Chincarini, A. Iovino, T. Maccacaro, & D. Maccagni (Provo, UT: BookCrafters, Inc.), ASP Conf. Ser., Vol. 51, 156–162
- 18) “Preliminary Results from the Hubble Space Telescope Medium Deep Survey”  
Griffiths, R. E., Ratnatunga, K. U., Neuschaefer, L. W., Windhorst, R. A., Pascarelle, S. M., Schmidtke, P. C., Ellis, R. S., Glazebrook, K., Gilmore, G., Elson, R. A. W., Schade, D. J., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., & Tyson, A. 1993, in the Milano International Symposium on “Observational Cosmology”, Eds. G. Chincarini, A. Iovino, T. Maccacaro, & D. Maccagni (Provo, UT: BookCrafters, Inc.), ASP Conf. Ser., Vol. 51, 320–327
- 19) “Limits to the 8.4 GHz Nano-Jansky Source Counts and Arcmin-Scale CBR Fluctuations”  
Windhorst, R. A., Fomalont, E. B., Partridge, R. B., & Lowenthal, J. D. 1993, in the Milano International Symposium on “Observational Cosmology”, Eds. G. Chincarini, A. Iovino, T. Maccacaro, & D. Maccagni (Provo, UT: BookCrafters, Inc.), ASP Conf. Ser., Vol. 51, 534–540
- 20) “An HR Diagram for the LMC from the Medium Deep Survey”  
Forbes, D. A., Elson, R. A. W., Griffiths, R. E., Ellis, R. S., Gilmore, G., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., Ratnatunga, K., Tyson, A., & Windhorst, R. A. 1994, in “Very

High Angular Resolution Imaging”, Eds. J. G. Robertson & W. J. Tango (Dordrecht: Kluwer), IAU Symposium 158, 404–407

- 21) “Evolution of the Galaxy Merger Rate: Counting Pairs in HST Fields”  
Burkey, J. M., Keel, W. C., & Windhorst, R. A. 1994, in “Mass-Transfer Induced Activity in Galaxies”, Ed. I. Shlosman (Cambridge University Press), p. 483–484
- 22) “HST/FOS UV-Spectroscopy of Weak Radio Galaxies at  $z=0.1-0.6$ ”  
Windhorst, R. A., Pascarelle, S. M., Keel, W. C., Bertola, F., McCarthy, P. J., O’Connell, R. W., Renzini, A., & Spinrad, H. 1994, in “Frontiers of Space and Ground-based Astronomy”, Eds. W. Wamsteker, M. S. Longair, & Y. Kondo (Dordrecht: Kluwer), Astrophysics and Space Science Library, Vol. 187, 663–667
- 23) “The Medium-Deep Survey Using the Hubble Space Telescope”  
Griffiths, R. E., Ratnatunga, K. U., Neuschaefer, L. W., Windhorst, R. A., Pascarelle, S. M., Schmidtke, P. C., Ellis, R. S., Glazebrook, K., Gilmore, G., Elson, R. A. W., Schade, D. J., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., & Tyson, A. 1994, in “Frontiers of Space and Ground-based Astronomy”, Eds. W. Wamsteker, M. S. Longair & Y. Kondo (Dordrecht: Kluwer), Astrophysics and Space Science Library, Vol. 187, 677–679
- 24) “The HST Medium-Deep Survey: Sizes of Galaxies at Moderate Redshift”  
Griffiths, R. E., Ratnatunga, K., Neuschaefer, L. W., Windhorst, R. A., Gordon, J., Schmidtke, P., Ellis, R. S., Gilmore, G. F., Elson, R. A. W., Schade, D. J., Koo, D. C., Illingworth, G. D., Forbes, D. A., Phillips, A. C., Huchra, J. P., Tyson, J. A., & Green, R. F. 1994, in “The Evolution of the Universe and its Observational Quest”, Ed. K. Sato (Tokyo: Universal Academic Press), Proc. of the XXXVII<sup>th</sup> Yamada Conference, 387–388
- 25) “Deep 4 cm Sky Survey”  
Fomalont, E. B., Lowenthal, J., Partridge, R. B., & Windhorst, R. A., 1995, NCSA Astronomy Digital Image Library (CD-ROM), Vol. ADIL-EF-02
- 26) “Deep 6 cm Sky Survey”  
Fomalont, E. B., Windhorst, R. A., Kristian, J. A., Kellermann, K. I. 1995, NCSA Astronomy Digital Image Library (CD-ROM), Vol. ADIL-EF-03
- 27) “The HST Medium Deep Survey: Galaxy Morphology at High Redshift”  
Griffiths, R. E., Ratnatunga, K. U., Casertano, S., Im, M., Neuschaefer, L. W., Ellis, R. S., Gilmore, G. F., Elson, R. A. W., Glazebrook, K., Santiago, B., Windhorst, R. A., Driver, S. P., Ostrander, E. J., Mutz, S. B., Koo, D. C., Illingworth, G. D., Forbes, D. A., Phillips, A. C., Green, R. F., Huchra, J. P., & Tyson, J. A. 1996, in “Examining the Big Bang and Diffuse Background Radiations”, Eds. M. Kafatos & Y. Kondo (Dordrecht: Kluwer), IAU Symposium 168, 219–227
- 28) “High-Redshift Milli-Jansky Radio Galaxies”  
Dunlop, J. S., Peacock, J. A., & Windhorst, R. A. 1996, in Proceedings of the Max Planck Workshop on “Galaxies in the Young Universe”, Eds. H. Hippelein, K. Meisenheimer, & H. -J. Roeser (Berlin: Springer Verlag), Springer Lecture Notes in Physics, 84–87
- 29) “Deep HST Imaging of a Galaxy Cluster at  $z=2.40$ ”  
Windhorst, R. A., Pascarelle, S. M., & Keel, W. C. 1996, in “New Light on Galaxy Evolution”, Eds. R. Bender & R. L. Davies (Dordrecht: Kluwer), IAU Symposium 171, 474–475
- 30) “A Cluster of Lyman- $\alpha$  Emitting Candidates at  $z \simeq 2.39$  in Deep WFPC2 Images: Galaxy Formation from Subgalactic Clumps?”  
Pascarelle, S. M., Windhorst, R. A., & Keel, W. C. 1996, in “Science with the Hubble Space Telescope – II”, Eds. P. Benvenuti, F. D. Macchetto, & E. J. Schreier (Baltimore: Space Telescope Science Institute), STScI/ST-ECF Workshop Proc., 109–118
- 31) “Automated Morphological Classification of Galaxies from Ultradeep WFPC2 Fields in *BVI*”

- Odewahn, S. C., Windhorst, R. A., Driver, S. P., & Keel, W. C. 1996, in “Science with the Hubble Space Telescope – II”, Eds. P. Benvenuti, F. D. Macchetto, & E. J. Schreier (Baltimore: Space Telescope Science Institute), STScI/ST-ECF Workshop Proc., 150–152
- 32) “High-redshift milli-Jansky Radio Galaxies”  
Dunlop, J. S., Peacock, J. A., Windhorst, R. A., Spinrad, H., Dey, A., & Waddington, I. 1996, in “Extragalactic Radio Sources”, Eds. R. Ekers, C. Fanti & L. Padrielli (Dordrecht: Kluwer), IAU Symp. 175, 581–584
- 33) “Multiband Photometry of Selected Areas in a Study of Galactic Structure”  
Lu, P. K., Tsay, W. S., Chen, A. B. C., Chen, R., Sun, W. H., Byun, Y. I., Chen, W. P., Chiueh, T. H., Kuo, H. J., Burstein, D., Hester, J. J., Windhorst, R. A., Fang, L. Z., Chen, J. S., Zhu, J., Deng, L. C., Fan, X. H., Jiang, Z. J., Li, Y., Wu, H., Zhang, M., Zheng, Z. Y., Zhou, X., Chen, F. Z., Deng, Z. G., Chu, Y. Q., Su, H. J., Shang, Z. H., Yan, H. J., & Xia, X. Y. 1997, *Baltic Astronomy*, Vol. 6, 33–40
- 34) “Supernova Cosmology Project”  
Fisher, A., Pascarelle, S., Windhorst, R., Caon, N., Benetti, S., & Koester, D. 1997, *IAU Circ.*, 6621, 1
- 35) “The HST/WFPC2 *B*-band Galaxy Counts vs. Type for  $19 \lesssim B \lesssim 29$  mag”  
Windhorst, R. A., Odewahn, S. C., Cohen, S. H., Burg, C. A., deJong, R. S., Driver, S. P., Marzke, R. O., Tyson, J. A., & Dell’Antonio, I. 1997, in “The Ultraviolet Universe at Low and High Redshift: Probing the Progress of Galaxy Evolution”, Eds. W. H. Waller, M. N. Fanelli, J. E. Hollis, & A. C. Danks (New York: AIP Press), *AIP Conf. Proc.*, Vol. 408, 242–246
- 36) “Lyman  $\alpha$  Emission from Galaxies at Low and High Redshift”  
Keel, W. C., Pascarelle, S. M., & Windhorst, R. A. 1997, in “The Ultraviolet Universe at Low and High Redshift: Probing the Progress of Galaxy Evolution”, Eds. W. H. Waller, M. N. Fanelli, J. E. Hollis, & A. C. Danks (New York: AIP Press), *AIP Conf. Proc.*, Vol. 408, 413–417
- 37) “A Systematic *UBVR IJHK* Survey of Nearby Galaxies to Classify Faint Galaxies from Deep HST Surveys”  
Burg, C. A., Windhorst, R. A., Odewahn, S. C., deJong, R. S., & Frogel, J. A. 1997, in “The Ultraviolet Universe at Low and High Redshift: Probing the Progress of Galaxy Evolution”, Eds. W. H. Waller, M. N. Fanelli, J. E. Hollis, & A. C. Danks (New York: AIP Press), *AIP Conf. Proc.*, Vol. 408, 434–438
- 38) “Automated Morphological Classification in Deep HST Fields: Rapidly and Passively Evolving Faint Galaxy Populations”  
Odewahn, S. C., Windhorst, R. A., Driver, S. P., & Keel, W. C. 1997, in “The Hubble Space Telescope and the High Redshift Universe”, Eds. N. R. Tanvir, A. Aragon-Salamanca, & J. V. Wall (Singapore: World Scientific), *Proc. of the 37<sup>th</sup> Herstmonceux Conf.*, 167–168
- 39) “Infrared Imaging of a Galaxy Cluster at  $z=2.39$ ”  
Waddington, I., Dunlop, J. S., Peacock, J. A., & Windhorst, R. A. 1997, in “The Hubble Space Telescope and the High Redshift Universe”, Eds. N. R. Tanvir, A. Aragon-Salamanca, & J. V. Wall (Singapore: World Scientific), *Proc. of the 37<sup>th</sup> Herstmonceux Conf.*, 229–230
- 40) “A VLA Survey of the Hubble Deep Field”  
Kellermann, K. I., Fomalont, E. B., Richards, E., Windhorst, R. A., & Partridge, R. B. 1997, in “The Hubble Space Telescope and the High Redshift Universe”, Eds. N. R. Tanvir, A. Aragon-Salamanca, & J. V. Wall (Singapore: World Scientific), *Proc. of the 37<sup>th</sup> Herstmonceux Conf.*, 107–110
- 41) “Evolution of the morphological luminosity distributions within rich clusters ( $0.0 < z < 0.55$ )”  
Driver, S. P., Couch, W. J., Odewahn, S. C., & Windhorst, R. A. 1997, in “Relativistic Astrophysics and Particle Cosmology”, Eds. A. Olinto, J. Frieman, & D. Schramm (Singapore: World Scientific), *Proc. of the 18<sup>th</sup> Texas Symposium*, 458–460 (astro-ph/9704158)

- 42) “Witnessing the Birth of a Galaxy Cluster at  $z=2.56$ ?”  
Campos, A., Yahil, A., Windhorst, R. A., Richards, E. A., Pascarella, S., Impey, C., & Petry, K. 1999, in the MPA/ESO Cosmology Conference on “Evolution of Large-Scale Structure: From Recombination to Garching”, (Munich: European Southern Observatory), p. 20
- 43) “Faint Radio Sources and Star Formation History”  
Haarsma, D. B., Partridge, R. B., Waddington, I., Windhorst, R. A., 1999, in “Relativistic Astrophysics and Cosmology”, Eds. J. Paul, L. Goossens, & T. Montmerle, (Amsterdam: Elseviers), Proc. of the 19<sup>th</sup> Texas Symposium, 600–606 (astro-ph/9904036)
- 44) “Structure and Content of the 53W002 “Cluster” at  $z = 2.4$ ”  
Keel, W. C., Wu, W., Windhorst, R. A., Cohen, S. H., Waddington I., & Pascarella, S. 2000, in Proceedings of the UC Berkeley Conference on “The Hy-Redshift Universe: Galaxy Formation and Evolution at High Redshift”, A. J. Bunker & W. J. M. van Breugel (Provo, UT: Brigham Young University), ASP Conf. Ser., Vol. 193, 419–422
- 45) “Widefield camera 3 for the Hubble Space Telescope”  
Cheng, E. S., Hill, R. J., MacKenty, J. W., Cawley, L., Knezek, P., Kutina, R. E., Lisse, C. M., Lupie, O. L., Robberto, M., Stiavelli, M., O’Connell, R. W., Balick, B., Bond, H., Calzetti, D., Carollo, M., Disney, M., Dopita, M., Frogel, J., Hall, D.N., Hester, J., Holtzman, J., Luppino, G. A., McCarthy, P., Paresce, F., Saha, A., Silk, J., Trauger, J. T., Walker, A., Whitmore, B., Windhorst, R., & Young, E. T. 2000, in “UV, Optical, and IR Space Telescopes and Instruments”, Eds. J. B. Breckinridge & P. Jakobsen, Proc. SPIE, Vol. 4013, 367–373
- 46) “Closing in on the Hydrogen Reionization Edge at  $z<7.2$  with Deep STIS/CCD Parallels”  
Windhorst, R., Bernstein, R., Collins, N., Plait, P., Woodgate, B., Mather, J., Madau, P., & Shaver, P. 2001, in Proceedings of the ESO Workshop on “Deep Fields”, Eds. S. Cristiani, A. Renzini, & R. E. Williams (Berlin: Springer Verlag), ESO Astrophysics Symposia, 357–361
- 47) “A New Set of Medium-band Filters for Use at MOSAIC”  
Windhorst, R. A. 2001, in the National Optical Astronomy Observatory Newsletter, Eds. D. Isbell (Tucson: NOAO Publ., Sept. 2001), Vol. 67, 34
- 48) “AGN in the Faint Radio Source Population”  
Waddington, I., Windhorst, R., Bremer, M., & Dunlop, J. 2001, in “AGN Surveys”, Proceedings of IAU Colloquium 184, Eds. R. F. Green, E. Ye. Khachikian, & D. B. Sanders (Provo, UT: Brigham Young University), ASP Conf. Ser., Vol. 284, 36
- 49) “HST Imaging of an Old Galaxy Group at  $z=1.55$ ”  
Bunker, A., Spinrad, H., McLure, R., Dey, A., Dunlop, J., Peacock, J., Stern, D., Thompson, R., Waddington, I., & Windhorst, R. 2002, in “A New Era in Cosmology”, Eds. N. Metcalfe & T. Shanks (San Francisco: ASP Publishers), ASP Conf. Ser., Vol. 283, 389 (astro-ph/0205239)
- 50) “HST Imaging of an Old Galaxy Group at  $z=1.55$ ”  
Bunker, A. J., Spinrad, H., McLure, R., Dey, A., Dunlop, J., Peacock, J., Stern, D., Thompson, R., Waddington, I., & Windhorst, R. 2002, in “The Mass of Galaxies at Low and High Redshift”, Eds. R. Bender & A. Renzini (Berlin: Springer-Verlag), Astrophysics and Space Science, Vol. 281, 527–528
- 51) “HST Imaging of a  $z=1.55$  Old Galaxy Group”  
Bunker, A., Spinrad, H., McLure, R., Dey, A., Dunlop, J., Peacock, J., Stern, D., Thompson, R., Waddington, I., & Windhorst, R. 2002, in “The Mass of Galaxies at Low and High Redshift”, ESO Astrophysics Symposia, Eds. R. Bender & A. Renzini (Garching: ESO Publishers), p. 262
- 52) “Generation-X: A Large Area and High Angular Resolution X-Ray Observatory to Study the Dawn of the Universe”  
Zhang, W., Brandt, N., Elvis, M., Fabbiano, G., Kahn, S., Loeb, A., Mushotzky, R., Petre, R., Sanders, D. Tananbaum, H., White, N., & Windhorst, R. 2002, White Paper presented to NASA’s Structure and Evolution of the Universe (SEU) Roadmap Committee (Washington DC: NASA Headquarters Publications), p. 1–5

(see also <http://universe.gsfc.nasa.gov/docs/roadmap/submissions.html> )

- 53) “Fundamental Limitations to the Observability of the Outskirts of Galaxies at High Redshifts: The Natural Confusion limit in Ultradeep Optical–IR and Radio Surveys”  
Windhorst, R. A., Cohen, S. H., Jansen, R. A., Odewahn, S. C., Driver, S. P., Kawata, D., Gibson, B. K., & Hopkins, A. 2002, in the Lowell Observatory Workshop on “The Outer Edges of Dwarf Irregular Galaxies”, Eds. S. Oey & D. Hunter  
(E-published in [www.lowell.edu/Workshops/Lowell02/posters.html](http://www.lowell.edu/Workshops/Lowell02/posters.html) and [astro-ph/0212246](http://astro-ph/0212246))
- 54) “HST/WFPC2 Analysis of the Mid-UV–Optical Colors within the Disks of Nearby Galaxies”  
Odewahn, S. C., Jansen, R. A., Windhorst, R. A., Taylor, V. A., & Eskridge, P. 2002, in the Lowell Observatory Workshop on “The Outer Edges of Dwarf Irregular Galaxies”, Eds. S. Oey & D. Hunter  
(E-published in <http://www.lowell.edu/Workshops/Lowell02/posters.html> and [astro-ph/0212246](http://astro-ph/0212246))
- 55) “UV-Optical light profiles and color gradients of late-type, irregular, and peculiar galaxies”  
Taylor, V. A., Odewahn, S. C., Jansen, R. A., & Windhorst, R. A. 2002, in the Lowell Observatory Workshop on “The Outer Edges of Dwarf Irregular Galaxies”, Eds. S. Oey & D. Hunter (E-published in <http://www.lowell.edu/Workshops/Lowell02/posters.html> and [astro-ph/0212246](http://astro-ph/0212246))
- 56) “Domains of Observability in the Near-Infrared with HST/NICMOS and (Adaptive Optics Augmented) Large Ground-Based Telescopes”  
Schneider, G., Becklin, E., Close, L., Figer, D., Lloyd, J., Macintosh, B., Hines, D., Max, C., Potter, D., Rieke, M., Scoville, N., Thompson, R., Weinberger, A., & Windhorst, R. 2002, A Summary Study Solicited in Preparation for HST Cycle 12, (Baltimore: STScI Publications), p. 1–64  
(see also [http://www.stsci.edu/spd/cycle12/NICMOS\\_AO\\_WHITEPAPER.html](http://www.stsci.edu/spd/cycle12/NICMOS_AO_WHITEPAPER.html) )
- 57) “Autofilet.pro: An Improved Method for Automated Removal of Herring-bone Pattern Noise from CCD Data”  
Jansen, R. A., Collins, N., & Windhorst, R. A. 2003, in “The 2002 HST Calibration Workshop: Hubble After the Installation of the ACS and the NICMOS Cooling System”, Eds. S. Arribas, A. Koekemoer, & B. Whitmore, (STScI: Baltimore), p. 193
- 58) “GRB 030329”  
Garnavich, P., Matheson, T., Eisenstein, D., Pindor, B., Hathi, N., Jansen, R., Windhorst, R., Echevarria, L., Lee, J., Krisciunas, K., Martini, P., Brown, W., Caldwell, N., Berlind, P., Calkins, M., & Stanek, K. Z. 2003, IAU Circ., 8108, 2 (Ed. D. W. E. Green)
- 59) “GRB 030329: Supernova Spectrum Emerging”  
Matheson, T., Garnavich, P., Hathi, N., Jansen, R., Windhorst, R., Echevarria, L., Lee, J., Brown, W., Caldwell, N., Berlind, P., Calkins, M., & Stanek, K. Z. 2003, GCN GRB Observation Report, 2107, 1
- 60) “GRB 030329: Supernova Confirmed”  
Matheson, T., Garnavich, P., Olszewski, E. W., Harding, P., Eisenstein, D., Pindor, B., Hathi, N., Jansen, R., Windhorst, R., Echevarria, L., Lee, J., Brown, W., Caldwell, N., Berlind, P., Calkins, M., & Stanek, K. Z. 2003, GCN GRB Observation Report, 2120, 1
- 61) “Radio and Optical Morphologies of Micro-Jansky Radio Sources”  
Fomalont, E. B., Kellermann, K. I., Cowie, L., Barger, A. J., Cepak, P., Partridge, R. B., Windhorst, R. A. 2003, in “Radio Astronomy at the Fringe”, eds. J. A. Zensus, M. H. Cohen & E. Ros (San Francisco: ASP Publishers), ASP Conf. Ser., Vol. 300, 279–286
- 62) “Study of the Effects from an Oval JWST PSF on the Recoverability of the Structural Parameters of Faint Galaxies”  
Jansen, R. A., Windhorst, R. A., & Cohen, S. H. 2003, Internal Technical Report to the JWST Project, (GSFC: [www.jwst.nasa.gov](http://www.jwst.nasa.gov)), p. 1–21
- 63) “The Impact of the JWST Point Spread Function on the Recoverability of the Structural Parameters of Faint galaxies: A Critical Comparison of Six Proposed Mirror Configurations”

- Jansen, R. A., & Windhorst, R. A. 2003, Internal Technical Report to the JWST Project, (GSFC: [www.jwst.nasa.gov](http://www.jwst.nasa.gov)), p. 1–19
- 64) “Requirements on JWST PSF-Roundness, PSF-Variability across the FOV, and PSF-Stability”  
Windhorst, R. A., & Jansen, R. A. 2003, Internal Technical Report to the JWST Project, (GSFC: [www.jwst.nasa.gov](http://www.jwst.nasa.gov)), p. 1–18
- 65) “How will the JWST Short-Wavelength Performance Affect Faint Galaxy Parameters?”  
Windhorst, R. A., Jansen, R. A., Odewahn, S. C., & Cohen, S. H. 2003, Internal Technical Report to the JWST Project, (GSFC: [www.jwst.nasa.gov](http://www.jwst.nasa.gov)), p. 1–16
- 66) “A Case Study of the Tunable Filters Reaching to 0.85 microns”  
Windhorst, R. A. 2004, Internal Technical Report to the JWST Project, (GSFC: [www.jwst.nasa.gov](http://www.jwst.nasa.gov)), p. 1–7
- 67) “The Science Requirements of the James Webb Space Telescope”  
Gardner, J. P., Mather, J. C., Clampin, M., Greenhouse, M. A., Hammel, H. B., Hutchings, J. B., Jakobsen, P., Lilly, S. J., Lunine, J. I., McCaughrean, M. J., Mountain, M., Rieke, G. H., Rieke, M. J., Smith, E. P., Stiavelli, M., Stockman, H. S., Windhorst, R. A., & Wright, G. S. 2004, *Proc. SPIE*, Vol. 5487, p. 564–575
- 68) “How the James Webb Space Telescope can measure First Light, Reionization and Galaxy Assembly”  
Windhorst, R. A., & Yan 2004, in *Proceedings of the New South Africa Conference on “Penetrating Bars through Masks of Cosmic Dust — The Hubble Tuning Fork Strikes a New Note”*, Eds. D. L. Block, I. Puerari, K. C. Freeman, R. Groess, & E. K. Block (Dordrecht: Kluwer), *Astrophysics and Space Science*, Vol. 319, 801–804
- 69) “Project Lyman”  
McCandliss, S. R., Kruk, J. W., Blair, W. P., Kaiser, M. E., Feldman, P. D., Meurer, G. R., Dixon, W. V., Sahnou, D. J., Neufeld, D. A., Lupu, R. E., Fleming, B., Smee, S. A., Andersson, B. G., Moseley, S. H., Kutyrev, A. S., Li, M. J., Sonneborn, G., W. Siegmund, O. H., Vallerga, J. V., Welsh, B. Y., Stiavelli, M., Windhorst, R. A., & Shapley, A. E. 2008, in “*Astronomical Telescopes 2008*”, *SPIE* 7011, p. 20–32 ([astro-ph/0807.2295](http://astro-ph/0807.2295))
- 70) “The Star Formation Observatory (SFO) mission to study cosmic origins near and far”  
Scowen, P., Jansen, R., Beasley, M., Cooke, B., Nikzad, S., Siegmund, O., Woodruff, R. Calzetti, D., Desch, S., Fullerton, A., Gallagher, J., Malhotra, S., McCaughrean, M., Nikzad, S., O’Connell, R., Oey, S., Padgett, D., Rhoads, J., Roberge, A., Smith, N., Stern, D., Tumlinson, J., & Windhorst, R. 2008, *SPIE*, 7010, 115–126
- 71) “A New Era in Extragalactic Background Light Measurements: The Cosmic History of Accretion, Nucleosynthesis and Reionization”  
Cooray, A., Amblard, A., Beichman, C., Benford, D., Bernstein, R., Bock, J., Brodwin, M., Bromm, V., Cen, R., Chary, R., Devlin, M., Dolch, T., Dole, H., Dwek, E., Elbaz, D., Fall, M., Fazio, G., Ferguson, H., Furlanetto, S., Gardner, J., Giavalisco, M., Gilmore, R., Gnedin, N., Gonzalez, A., Haiman, Z., Hauser, M., Huang, J., Ipatov, S., Kashlinsky, A., Keating, B., Kelsall, T., Komatsu, E., Lagache, G., Levenson, L., Loeb, A., Madau, P., Mather, J., Matsumoto, T., Matsuura, S., Mattila, K., Moseley, H., Moustakas, L., Peng Oh, S., Petro, L., Primack, J., Reach, W., Renbarger, T., Shapiro, P., Stern, D., Sullivan, I., Venkatesan, A., Werner, M., Windhorst, R., Wright, E., & Zemcov, M. 2009, *Science White Paper for the NAS Decadal Survey, Astro2010*, 20 ([astro-ph/0902.2372](http://astro-ph/0902.2372))  
For all Astro2010 papers, see: [http://sites.nationalacademies.org/BPA/BPA\\_050603](http://sites.nationalacademies.org/BPA/BPA_050603)
- 72) “Galaxy Assembly and SMBH/AGN-Growth from Cosmic Dawn to the End of Reionization”  
Jansen, R. A., Windhorst, R., Rhoads, J., Malhotra, S., Stern, D., O’Connell, R., Scowen, P., & Beasley, M. 2009, *Science White Paper for the NAS Decadal Survey, Astro2010*, 50 ([astro-ph/0904.2032](http://astro-ph/0904.2032))

- 73) “A Systematic Study of the Stellar Populations and ISM in Galaxies out to the Virgo Cluster: Near-field Cosmology within a Representative Slice of the Local Universe”  
Jansen, R. A., Scowen, P., Beasley, M., Gallagher, J., O’Connell, R., Calzetti, D., Oey, S., Windhorst, R., & Woodruff, R. 2009, Science White Paper for the NAS Decadal Survey, Astro2010, 40 (astro-ph/0904.2021)
- 74) “The Star Formation Camera”  
Scowen, P., Jansen, R., Beasley, M., Calzetti, D., Desch, S., Fullerton, A., Gallagher, J., Lisman, D., Macenka, S., Malhotra, S., McCaughrean, M., Nikzad, S., O’Connell, R., Oey, S., Padgett, D., Rhoads, J., Roberge, A., Siegmund, O., Shaklan, S., Smith, N., Stern, D., Tumlinson, J., Windhorst, R., & Woodruff, R. 2009, Science White Paper for the NAS Decadal Survey, Astro2010, (astro-ph/0904.1992)
- 75) “The HORUS Origins Science Probe Mission”  
Scowen, P., Jansen, R., Beasley, M., Calzetti, D., Cooke, B., Desch, S., Fullerton, A., Gallagher, J., Malhotra, S., McCaughrean, M., Nikzad, S., O’Connell, R., Oey, S., Padgett, D., Rhoads, J., Roberge, A., Siegmund, O., Smith, N., Stern, D., Tumlinson, J., Windhorst, R., & Woodruff R. 2009, Science White Paper for the NAS Decadal Survey, Astro2010, 64
- 76) “THEIA: Telescope for Habitable Exoplanets and Interstellar/Intergalactic Astronomy”  
Kasdin, N. J., Atcheson, P., Beasley, M., Belikov, R., Blouke, M., Cady, E., Calzetti, D., Copi, C., Desch, S., Dumont, P., Ebbets, D., Egerman, R., Fullerton, A., Gallagher, J., Green, J., Guyon, O., Heap, S., Jansen, R., Jenkins, E., Kasting, J., Keski-Kuha, R., Kuchner, M., Lee, R., J. Lindler, D., Linfield, R., Lisman, D., Lyon, R., MacKenty, J., Malhotra, S., McCaughrean, M., Mathews, G., Mountain, M., Nikzad, S., O’Connell, B., Oegerle, W., Oey, S., Padgett, D., A Parvin, B., Prochaska, X., Rhoads, J., Roberge, A., Saif, B., Savransky, D., Scowen, P., Seager, S., Seery, B., Sembach, K., Shaklan, S., Shull, M., Siegmund, O., Smith, N., Soummer, R., Spergel, D., Stahl, P., Starkman, G., K Stern, D., Tenerelli, D., A. Traub, W., Trauger, J., Tumlinson, J., Turner, E., Vanderbei, B., Windhorst, R., Woodgate, B., & Woodruff, B. 2009, Science White Paper for the NAS Decadal Survey, Astro2010,
- 77) “Active Galactic Nuclei and their role in Galaxy Formation and Evolution”  
Kraemer, S., Windhorst, R., Carpenter, K. G., Crenshaw, M., Elvis, M., & Karovska, M. 2009, Science White Paper for the NAS Decadal Survey, Astro2010, 54 (astro-ph/0904.3875)
- 78) “Project Lyman: Resolving the Physics Behind Reionization”  
McCandliss, S. R., Kruk, J. W., Blair, W. P., Kaiser, M. E., Feldman, P. D., Meurer, G. R., Dixon, W. V., Sahnou, D. J., Neufeld, D. A., Lupu, R. E., Fleming, B., Smee, S. A., Andersson, B. G., Moseley, S. H., Kutlyrev, A. S., Li, M. J., Sonneborn, G., W. Siegmund, O. H., Vallerga, J. V., Welsh, B. Y., Stiavelli, M., Windhorst, R. A., & Shapley, A. E. 2009, Science White Paper for the NAS Decadal Survey, Astro2010, 57
- 79) “The Scientific Capabilities of the James Webb Space Telescope”  
Gardner, J. P., & the JWST Flight Science Working Group: Mather, J., Clampin, M., Doyon, R., Flanagan, K., Franx, M., Gardner, G., Greenhouse, G., Hammel, H., Hutchings, H., Jakobsen, J., Lilly, L., McCaughrean, M., Mountain, M., Rieke, G., Sonneborn, G., Stiavelli, M., Windhorst, R., & Wright, G. 2009, Science White Paper for the NAS Decadal Survey, Astro2010, 18
- 80) “Comparative Planetology: Transiting Exoplanet Science with JWST”  
Clampin, M., & the JWST Flight Science Working Group and JWST Transits Working Group: Mather, J., Doyon, R., Flanagan, K., Franx, M., Gardner, J., Greenhouse, M., Hammel, H., Hutchings, J., Jakobsen, P., Lilly, S., McCaughrean, M., Mountain, M., Rieke, G., Sonneborn, G., Stiavelli, M., Windhorst, R., Wright, G., Deming, D., & Lindler, D. 2009, Science White Paper for the NAS Decadal Survey, Astro2010, 8
- 81) “Stellar Populations with JWST: the Beginning and the End”  
Meixner, M., & the JWST Flight Science Working Group: Mather, J., Clampin, M., Doyon, R., Flanagan, K., Franx, M., Gardner, J., Greenhouse, M., Hammel, H., Hutchings, J., Jakobsen, P.,



- Lilly, S., McCaughrean, M., Mountain, M., Rieke, G., Sonneborn, G., Stiavelli, M., Windhorst, R., & Wright, G. 2009, Science White Paper for the NAS Decadal Survey, Astro2010, 62
- 82) “Planetary Systems and Star Formation with JWST”  
Rieke, G. H., & the JWST Flight Science Working Group: Mather, J., Clampin, M., Doyon, R., Flanagan, K., Franx, M., Gardner, J., Greenhouse, M., Hammel, H., Hutchings, J., Jakobsen, P., Lilly, S., McCaughrean, M., Mountain, M., Rieke, G., Sonneborn, G., Stiavelli, M., Windhorst, R., Wright, G., Deming, D., & Lindler, D. 2009, Science White Paper for the NAS Decadal Survey, Astro2010, 56
- 83) “JWST Study of Planetary Systems and Solar System Objects”  
Sonneborn, G., & the JWST Flight Science Working Group: Mather, J., Clampin, M., Doyon, R., Flanagan, K., Franx, M., Gardner, J., Greenhouse, M., Hammel, H., Hutchings, J., Jakobsen, P., Lilly, S., McCaughrean, M., Mountain, Rieke, G. H., M., Rieke, Stiavelli, M., Windhorst, R., Wright, G., Deming, D., & Lindler, D. 2009, Science White Paper for the NAS Decadal Survey, Astro2010, 70
- 84) “First Light and Reionization: open questions in the post-JWST era”  
Stiavelli, M., & the JWST Flight Science Working Group: Mather, J., Clampin, M., Doyon, R., Flanagan, K., Franx, M., Gardner, G., Greenhouse, G., Hammel, H., Hutchings, H., Jakobsen, J., Lilly, L., McCaughrean, M., Mountain, M., Rieke, G., Sonneborn, G., Windhorst, R., & Wright, G. 2009, Science White Paper for the NAS Decadal Survey, Astro2010, 106
- 85) “Galaxies Across Cosmic Time with JWST”  
Windhorst, R. A., & the JWST Flight Science Working Group: Mather, J., Clampin, M., Doyon, R., Flanagan, K., Franx, M., Gardner, G., Greenhouse, G., Hammel, H., Hutchings, H., Jakobsen, J., Lilly, L., McCaughrean, M., Mountain, M., Rieke, G., Sonneborn, G., Stiavelli, M., & Wright, G. 2009, Science White Paper for the NAS Decadal Survey, Astro2010, 96
- 86) “Tracking Cosmic Star Formation: SKA Continuum Deep Field”  
Murphy, E., Condon, J., Carilli, C., De Breuck, C., Maccarone, T. Röttgering, H., & Windhorst, R. 2009, in “The Square Kilometer Array Design Reference Mission: SKA-mid and SKA-lo”, Eds. J. Lazio, J. Cordes, & the SKA Science Working Group, v. 0.4, pg. 46–54 (<http://www.skatelescope.org/PDF/091001-DRM.v0.4.pdf>)
- 87) “James Webb Space Telescope Studies of Dark Energy”  
Gardner, J. P., Stiavelli, M., Mather, J., Clampin, M., Doyon, R., Flanagan, K. A., Franx, M., Greenhouse, M. A., Hammel, H. B., Hutchings, J. B., Jakobsen, P., Lilly, S. J., Lunine, J. I., McCaughrean, M. J., Mountain, M., Rieke, G. H., Rieke, M. J., Sonneborn, G., Windhorst, R. A., & Wright, G. S. 2010, Science White Paper to the JWST Project, (GSFC: [www.jwst.nasa.gov](http://www.jwst.nasa.gov)), p. 1–14
- 88) “Resolved Stars in M83 Based on HST/WFC3 Early Release Science Observations”  
Kim, H., Whitmore, B. C., & A. Windhorst, R. A. 2010, in “UP: Have Observations Revealed a Variable Upper End of the Initial Mass Function?”, Eds. M. Treyer et al. , ASP Conf. Ser. Vol. 440, pg. 149–152 (astro-ph/1102.1742)
- 89) “Luminous Stars in Galaxies Beyond 3 Mpc”  
Whitmore, B. C., et al. (incl. Windhorst, R. A.) 2010, in “UP: Have Observations Revealed a Variable Upper End of the Initial Mass Function?”, Eds. M. Treyer et al. , ASP Conf. Ser. Vol. 440, pg. 1–4
- 90) “Removing the Pattern Noise from all STIS Side-2 CCD Data”  
Jansen, R. A., Windhorst, R., Kim, H., Hathi, N., Goudfrooij, P., & Collins, N. 2010, in Proc. of the “2010 HST Calibration Workshop”, Eds. S. Deustea & C. Oliveira (Baltimore: STScI), pg. 455–461
- 91) “Scientific Role of the James Webb Space Telescope in “New Worlds, New Horizons”  
Hammel, H. B., Rieke, G., Clampin, M., Doyon, R., Flanagan, K. A., Franx, M., Gardner, J. P., Greenhouse, M. A., Hammel, H. B., Hutchings, J. B., Jakobsen, P., Lilly, S. J., Lunine, J.

I., Mather, J., McCaughrean, M. J., Mountain, M., Rieke, G. H., Rieke, M. J., Sonneborn, G., Stiavelli, M., Windhorst, R. A., & Wright, G. S. 2010, Science White Paper to the JWST Project, (GSFC: [www.jwst.nasa.gov](http://www.jwst.nasa.gov)), p. 1–6

- 92) “Stellar Imager (SI): developing and testing a predictive model for the Sun by imaging other stars”  
Carpenter, K.C., Schrijver, C. J., Karovska, M., Kraemer, S., Lyon, R., Mozurkewich, D., \ Airapetian, V., Allen, R. J., Breckinridge, J., Brown, A., Bruhweiler, F., Conti, A., Christensen-Dalsgaard, J., Cranmer, S., Cuntz, M., Danchi, W., Dupree, A., Elvis, M., Evans, N., Giampapa, M., Harper, G., Hartman, K., Labeyrie, A., Leitner, J., Lillie, C., Linsky, J. L., Lo, A., Mighell, K., Miller, D., Noecker, C., Parrish, J., Phillips, J., Rimmele, T., Saar, S., Sasselov, D., Philip Stahl, H., Stoneking, E., Strassmeier, K., Walter, F., Windhorst, R., Woodgate, B., & Woodruff R. 2010, Paper for the NAS Solar and Space Physics Decadal Survey (astro-ph/1011.5214), pg. 1–8
- 93) “Deep GMRT 150 MHz observations of LBDS”  
Ishwara-Chandra, C. H., Sirothia, S. K., Wadadekar, Y., Pal, S., & Windhorst, R. 2010, in Proc. of the ISKAF 2010 Science Meeting (Assen, the Netherlands), p. 69–75. Published online at: <http://pos.sissa.it/cgi-bin/reader/conf.cgi?confid=112>
- 94) “Active Galactic Nuclei and their role in Galaxy Formation and Evolution”  
Kraemer, S., Windhorst, R., Carpenter, K. G., Crenshaw, M., Elvis, M., & Karovska, M. 2012, Science white paper submitted in response to the 2012 NASA COR RFI NNH12ZDA008L: “Science Objectives and Requirements for the Next NASA UV/Visible Astrophysics Mission”, p. 1–8
- 95) “Project Lyman: Quantifying 11 Gyrs of Meta-galactic Ionizing Background Evolution”  
McCandliss, S. R., Andersson, B.-G., Bergvall, N., Bianchi, L., Bridge, C., Bogosavljevic, M., Cohen, S. H., Deharveng, J.-M., Van Dyke Dixon, W., Ferguson, H., Friedman, P., Hayes, M., Inoue, A., Iwata, I., Kaiser, M. E., Kruk, J., Kutyrer, A. S., Leitherer, C., Meurer, G. R., Prochaska, J. X., Sonneborn, G., Stiavelli, M., Teplitz, H. I., Windhorst, R. A. 2012, Science white paper submitted in response to the 2012 NASA COR RFI NNH12ZDA008L: “Science Objectives and Requirements for the Next NASA UV/Visible Astrophysics Mission”, p. 1–6 (astro-ph/1209.3320)
- 96) “Galaxy Assembly and SMBH/AGN-growth from Cosmic Dawn to the End of Reionization”  
Scowen, P., Jansen, R. A., Windhorst, R., Rhoads, J., Malhotra, S., Stern, D., O’Connell, R., Beasley, M., & the HORUS & SFC Science Concept Teams 2012, Science white paper submitted in response to the 2012 NASA COR RFI NNH12ZDA008L: “Science Objectives and Requirements for the Next NASA UV/Visible Astrophysics Mission”, p. 1–7
- 97) “Minor-Merger-Driven Growth of Early-Type Galaxies over the Last 8 Billion Years”  
Kaviraj, S., Crockett, R. M., Silk, J., Ellis, R. S., Yi, S. K., O’Connell, R. W., Windhorst, R., & Whitmore, B. C. 2012, in “The Spectral Energy Distribution of Galaxies”, Eds. R. J. Tuffs & C. C. Popescu, IAU Symp. No. 284, 460–464 (International Astronomical Union)
- 98) “Addressing Decadal Survey Science through Community Access to Highly Multiplexed Spectroscopy with BigBOSS on the KPNO Mayall Telescope”  
Pilachowski, C., Badenes, C., Bailey, S., Barth, A., Beaton, R., Bell, E., Bernstein, R., Bian, F., Blanton, M., Blum, R., Bolton, A., Bond, H., Brodwin, M., Bullock, J., Carlin, J., Chary, R.-R., Cinabro, D., Cooper, M., Cota, J. L. C., Davis, M., Dawson, K., Dey, A., Donahue, M., Drake, J., Ellingson, E., Faccioli, L., Fan, X., Ferguson, H., Gawiser, E., Geha, M., Giavalisco, M., Gonzalez, A., Griest, K., Grossan, B., Guhathakurta, R., Harding, P., Heap, S. R., Ho, S., Howell, S., Jannuzi, B., Kalirai, J., Keeney, B., Kewley, L., Kong, X., Lampton, M., Lin, W.-P., de la Macorra, A., Macri, L., Majewski, S., Martini, P., Massey, P., McSwain, V., Miller, A. A., Minniti, D., Modjaz, M., Morrison, H., Moustakas, J., Myers, A., Najita, J., Newman, J., Norman, D., Olsen, K., Pierce, M., Pope, A., Prescott, M., Reddy, N., Reil, K., Rest, A., Rhode, K., Rockosi, C., Rudnick, G., Saha, A., Salzer, J., Sanders, D., Schlegel, D., Sesar, B., Shields, J., Silverman, J., Simon, J., Stanford, A., Stern, D., Storrie-Lombardi, L., Suntzeff, N., Surace, J., Szalay, A., Ulmer, M., Weiner, B., Willman, B., Windhorst, R., & Wood-Vasey, M. 2012, White Paper in response to the NSF-AST Portfolio Review (NOAO, Tucson; astro-ph/1211.0285)

- 99) “How Will Out-of-Field Straylight & Gravitational Lensing Bias Affect (Ultra-)Deep JWST Surveys and their Planning?”  
Windhorst, R. A. 2012, Internal Technical Report to the JWST Project, ([www.jwst.nasa.gov](http://www.jwst.nasa.gov)), p. 1–13
- 100) “Abell 1882: Kpc-scale Spatially Resolved Star formation on a  $z=0.14$  ”Proto-cluster”  
Morrison, G. E., Sengupta, A., Keel, W. C., Windhorst, R. A., Smith, B., Owen, F. N., Dickinson, M. E., Arnouts S., Yun, M. S., Miller, N., & Drissen, L. 2013, in “Science with SITELLE”, Wendake Workshop, Quebec
- 101) “Deep Spitzer/IRAC Imaging of Compact Galaxy Groups/Clusters for JWST’s ”First Light” Search”  
Hathi, N., Windhorst, R. A., Yan, H., Conselice, C., Konstantopoulos, I., Driver, S., Robotham, A., Hopkins, A., Wyithe, S., Cohen, S., Jansen, R., Frye, B., Alpaslan, M., Barone-Nugent, R., Carrasco-Nunez, D., & Shin, T. 2015, White paper to the NASA Astrophysics “Cosmic Origins Program Analysis Group” Science Analysis Group 9 (<http://cor.gsfc.nasa.gov/copag/copag.php>)
- 102) “Deep HST WFC3+ACS UV+BV Imaging of the Best Lensing Compact Massive Galaxy Groups & Clusters to Maximize “First Light” Object Searches with JWST”  
Windhorst, R. A., Alpaslan, M., Barone-Nugent, R., Cohen, S., Conselice, C., Driver, S., Frye, B., Hathi, N., Hopkins, A., Jansen, R., Konstantopoulos, I., Robotham, A., Shin, T., Wyithe, S., & Yan H. 2015 White paper to the NASA Astrophysics “Cosmic Origins Program Analysis Group” Science Interest Group 2 (<http://cor.gsfc.nasa.gov/copag/copag.php>)
- 103) “Recent Star-Formation in Intermediate Redshift ( $0.35 \lesssim z \lesssim 1.5$ ) Early-Type Galaxies”  
Rutkowski, M. J., Jeong, H., Yi, S., Kaviraj, S., Cohen, S. H., & Windhorst, R. A. 2015, Highlights of Astronomy, Vol. 16, 132 (Ed. Th. Montmerle, Cambridge University Press)
- 104) “On the Observability of Individual Population III Stars and Their Stellar-mass Black Hole Accretion Disks through Cluster Caustic Transits”  
Windhorst, R. A., Timmes, F. X., Wyithe, J. S. B., Alpaslan, M., Andrews, S. K., Coe, D., Diego, J. M., Dijkstra, M., Driver, S. P., Kelly, P. L., & Kim, D. 2018, in HST Spring Symposium on the “21<sup>st</sup> Century HR-diagram” (Baltimore: STScI)

#### 4.c. Abstracts and Technical Reports (published or in press)

- 1) “Near-Infrared Photometry for Faint Radio Galaxies”  
Puschell, J. J., Windhorst, R. A., Thuan, T. X., Owen, F. N., & Isaacman, R. B. 1983, BAAS, 15, 914 (Abstract 04.06)
- 2) “Ultradeep Optical Identifications and Spectroscopy of Milli-Jansky and Micro-Jansky Radio Sources”  
Windhorst, R. A., Dressler, A., & Koo, D. C. 1986, BAAS, 18, 1006 (Abstract 60.06)
- 3) “The Galaxy Correlation Function down to  $V=26$  mag on 0.5 degree Scales”  
Neuschaefer, L. W., & Windhorst, R. A. 1990, BAAS, 22, 883 (Abstract 55.13)
- 4) “Removing Large Scale Gradients in Four-shooter CCD Frames to 0.01 % of Sky”  
Mathis, D. F., Neuschaefer, L. W., & Windhorst, R. A. 1990, BAAS, 22, 888 (Abstract 57.17)
- 5) “The Correlation Function down to  $V=26$  on  $0.5^\circ$  Scales”  
Neuschaefer, L. W., & Windhorst, R. A. 1990, BAAS, 23, 840 (Abstract 85.08)
- 6) “A Multicolor CCD Survey for QSOs to  $m \sim 24$ ”  
Anderson, S. F., Schechter, P. L., Windhorst, R. A., Koo, D. C., & Majewski, S. R. 1991, BAAS, 23, 892 (Abstract 12.02)
- 7) “Micro-Jansky Radio Source Counts and Spectral Indices at 8.4 GHz”

- Windhorst, R. A., Fomalont, E. B., Partridge, R. B., & Lowenthal, J. D. 1991, BAAS, 23, 956 (Abstract 54.01)
- 8) "Limits to the Cosmic Background Fluctuations between Angular Scales 10'' to 60''"  
Partridge, R. B., Lowenthal, J. D., Fomalont, E. B., & Windhorst, R. A. 1991, BAAS, 23, 963 (Abstract 63.01)
- 9) "HST Imaging of Distant Giant Elliptical Radio Galaxies"  
Windhorst, R. A., Ferro, A. J., Hester, J. J., Mathis, D. F., Keel, W. C., Willis, A. G., & Katgert, P. 1991, BAAS, 23, 1334 (Abstract 10.04)
- 10) "A Deep ROSAT Survey of the Lynx Region"  
Mathis, D. F., Windhorst, R. A., Franklin, B. E., Neuschaefer, L. W., Burstein, D., Maccacaro, T., Anderson, S. F., Griffiths, R. E., & Koo, D. C. 1991, BAAS, 23, 1335 (Abstract 10.08)
- 11) "Limits to Evolution in the Galaxy Correlation Function"  
Neuschaefer, L. W., Windhorst, R. A., Dressler, A., Anderson, S. F., & Koo, D. C. 1991, BAAS, 23, 1394 (Abstract 43.02)
- 12) "The HST Medium-Deep Survey: Limits to Galaxy Clustering Evolution from Deep WFC Images"  
Neuschaefer, L. W., Griffiths, R. E., Im, M., Ratnatunga, K. U., Wyckoff, E., Windhorst, R. A., Gordon, J. M., Pascarelle, S. M., Schmidtke, P. C., Ellis, R. S., Glazebrook, K., Shanks, T., Elson, R. A. W., Gilmore, G., Schade, D. J., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., Forbes, D., Schmidt, M., & Tyson, A. 1992, BAAS, 24, 1191 (Abstract 45.02)
- 13) "The HST Medium-Deep Survey: Deconvolution of WFC Images on Faint Field Galaxies"  
Windhorst, R. A., Gordon, J. M., Pascarelle, S. M., Schmidtke, P. C., Griffiths, R. E., Im, M., Neuschaefer, L. W., Ratnatunga, K. U., Wyckoff, E., Ellis, R. S., Glazebrook, K., Shanks, T., Elson, R. A. W., Gilmore, G., Schade, D. J., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., Forbes, D., Schmidt, M., & Tyson, A. 1992, BAAS, 24, 1222 (Abstract 65.06)
- 14) "HST Morphology and Light-Profiles of Field Galaxies Surrounding Distant Radio Sources"  
Gordon, J. M., Mathis, D. F., Pascarelle, S. M., Schmidtke, P. C., Windhorst, R. A., Keel, W. C., & Burkey, J. M. 1992, BAAS, 24, 1222 (Abstract 65.07)
- 15) "The HST Medium-Deep Survey Database"  
Ratnatunga, K. U., Griffiths, R. E., Neuschaefer, L. W., Wyckoff, E., Ellis, R. S., Elson, R. A. W., Forbes, D., Gilmore, G., Glazebrook, K., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., Im, M., Pascarelle, S. M., Schade, D. J., Schmidt, M., Schmidtke, P. C., Shanks, T., Tyson, A., & Windhorst, R. A. 1992, BAAS, 24, 1230 (Abstract 69.06)
- 16) "Bad Pixels, Cosmic Rays, and PSF-Libraries from Deep HST/WFC Images"  
Franklin, B. E., DuChene, N. S., Schroder, L. L., Gordon, J. M., Neuschaefer, L. W., & Windhorst, R. A. 1992, BAAS, 24, 1231 (Abstract 69.10)
- 17) "The HST Medium-Deep Survey: Faint Galaxy Morphology to  $V \sim 24$ "  
Schade, D. J., Elson, R. A. W., Glazebrook, K., Ellis, R. S., Im, M., Griffiths, R. E., Ratnatunga, K. U., Forbes, D., Gilmore, G., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., Neuschaefer, L. W., Pascarelle, S. M., Schmidt, M., Schmidtke, P. C., Shanks, T., Tyson, A., Windhorst, R. A., & Wyckoff, E. 1992, BAAS, 24, 1300 (Abstract 113.04)
- 18) "The HST Medium-Deep Survey: Initial Extragalactic Results"  
Griffiths, R. E., Ellis, R. S., Elson, R. A. W., Forbes, D., Gilmore, G., Glazebrook, K., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., Im, M., Neuschaefer, L. W., Pascarelle, S. M., Ratnatunga, K. U., Schade, D. J., Schmidt, M., Schmidtke, P. C., Shanks, T., Tyson, A., Windhorst, R. A., & Wyckoff, E. 1993, BAAS, 24
- 19) "The Angular Correlation Function of Bright Radio Sources from the Green Bank 1.4 GHz Northern Sky Survey"

- Fang, L. Z., Windhorst, R. A., & Rouse, R. 1993, BAAS, 25, 740 (Abstract 118.15)
- 20) "HST/FOS Spectroscopy of Early-Type Radio Galaxies at  $z \leq 0.6$ "  
Pascarelle, S. M., Windhorst, R. A., Keel, W. C., Bertola, F., McCarthy, P. J., O'Connell, R. W., Renzini, A., & Spinrad, H. 1993, BAAS, 25, 794 (Abstract 5.04)
  - 21) "Field Galaxies from the Medium Deep Survey"  
Forbes, D. A., Phillips, A. C., Bershady, M. A., Illingworth, G. D., Koo, D. C., Griffiths, R. E., Ellis, R., Gilmore, G., Green, R., Huchra, J., Ratnatunga, K., Tyson, A., & Windhorst, R. 1993, BAAS, 25, 836 (Abstract 30.03)
  - 22) "Morphological Properties of Color-Selected Medium-Deep Survey Galaxies"  
Neuschaefer, L. W., Ratnatunga, K. U., Griffiths, R. E., Windhorst, R. A., Mutz, S. B., Ellis, R. S., Elson, R. A. W., Glazebrook, K., Gilmore, G., Richer, R., Green, R. F., Mader, V., Huchra, J. P., Illingworth, G. D., Koo, D. C., & Tyson, J. A. 1993, BAAS, 25, 1292 (Abstract 3.07)
  - 23) "Galaxy Pairs in Deep HST Images: Evidence for Evolution in the Galaxy Merger Rate"  
Franklin, B. E., Windhorst, R. A., Burkey, J. M., & Keel, W. C. 1993, BAAS, 25, 1324 (Abstract 20.01)
  - 24) "The Theta-z Relationship for HST Bulges and Disks out to  $z \leq 0.6$ "  
Mutz, S. B., Windhorst, R. A., Schmidtke, P. C., Franklin, B. E., Pascarelle, S. M., Griffiths, R. E., Ratnatunga, K. U., Neuschaefer, L. W., Ellis, R. S., Gilmore, G., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., & Tyson, J. A. 1993, BAAS, 25, 1384 (Abstract 57.05)
  - 25) "Structure and Photometry of Faint Galaxies in a Magnitude-Limited I-Band Sample from the HST Medium Deep Survey: I"  
Forbes, D. A., Phillips, A. C., Bershady, M. A., Illingworth, G. D., Koo, D. C., Griffiths, R. E., Ratnatunga, K. U., Windhorst, R. A., Ellis, R. S., Gilmore, G., Green, R. F., Huchra, J. P., & Tyson, J. A. 1993, BAAS, 25, 1384 (Abstract 57.06)
  - 26) "Clustering of Galaxies in HST Medium-Deep Survey Images"  
Casertano, S., Neuschaefer, L. W., Griffiths, R. E., Ratnatunga, K. U., Windhorst, R. A., Ellis, R. S., Gilmore, G., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., & Tyson, J. A. 1993, BAAS, 25, 1399 (Abstract 71.05)
  - 27) "The HST Deep Survey Near NGC5548: Mergers in a Cluster vs. Field Environment"  
Griffiths, R. E., Ratnatunga, K. U., Casertano, S., Neuschaefer, L. W., Windhorst, R. A., Pascarelle, S. M., Ellis, R. S., Gilmore, G., Glazebrook, K., Green, R. F., Sarajedini, V., Huchra, J. P., Illingworth, G. D., Koo, D. C., & Tyson, J. A. 1994, BAAS, 26, 789 (Abstract 20.07)
  - 28) "Early Results from the HST Medium Deep Survey with WFPC2"  
Griffiths, R. E., Ratnatunga, K. U., Casertano, S., Neuschaefer, L. W., Im, M., Wyckoff, E., Windhorst, R. A., Schmidtke, P., Pascarelle, S., Mutz, S., Ellis, R. S., Gilmore, G., Glazebrook, K., Elson, R. A. W., Green, R. F., Sarajedini, V., Huchra, J. P., Illingworth, G. D., Koo, D. C., Phillips, A. C., Forbes, D. A., Tyson, J. A., McIlroy, P., & Guhathakurta, R. 1994, BAAS, 26, 877 (Abstract 12.09)
  - 29) "Structural Properties of Faint Galaxies with HST"  
Casertano, S., Ratnatunga, K. U., Griffiths, R. E., Neuschaefer, L. W., Windhorst, R. A., Ellis, R. S., Gilmore, G., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., Tyson, J. A., & Guhathakurta, P. 1994, BAAS, 26, 962 (Abstract 61.11)
  - 30) "Galaxy Clustering Statistics of Medium-Deep Survey WFPC1 and WFPC2 Images"  
Neuschaefer, L. W., Casertano, S., Griffiths, R. E., Ratnatunga, K. U., Windhorst, R. A., Ellis, R. S., Gilmore, G., Green, R. F., Huchra, J. P., Illingworth, G. D., Koo, D. C., & Tyson, J. A. 1994, BAAS, 26, 962 (Abstract 62.01)
  - 31) "Cosmic Rays in Multi-Orbit Images with the HST Wide Field Planetary Camera 2"  
Franklin, B. E., & Windhorst, R. A. 1994, BAAS, 26, 1320 (Abstract 9.09)

- 32) "The GSFC 'Phoenix' Advanced Camera for HST"  
Cheng, E. S., Neff, S., Smith, A., & Windhorst, R. 1994, BAAS, 26, 1321 (Abstract 9.14)
- 33) "The Beijing-Arizona-Taipei-Connecticut (BATC) Color Survey of the Sky"  
Burstein, D., Hester, J. J., Windhorst, R. A., Clampitt, L., Li, Y., Moore, B., Fang, L. Z., Chen, J. S., Zhu, J., Jiang, Z. J., Fan, X. H., Wu, H., Yan, H. J., Zheng, Z. Y., Zhou, X., Su, H. J., Shang, Z. H., Chen, F. Z., Deng, Z. G., Sun, W. H., Chen, W. P., Tsay, W. S., Chiueh, T. H., Ko, C. M., Chou, C. K., & Lu, P. 1994, BAAS, 26, 1372 (Abstract 41.10)
- 34) "The Serendipitous Discovery of a Possible Young Galaxy Cluster at  $z=2.390$  in Deep HST WFPC2 Images"  
Pascarelle, S. M., Windhorst, R. A., Driver, S. P., Ostrander, E. J., Mutz, S. B., Franklin, B. E., & Keel, W. C. 1994, BAAS, 26, 1403 (Abstract 53.11)
- 35) "Highlights from the HST Medium Deep Survey"  
Griffiths, R. E., Ratnatunga, K. U., Casertano, S. C., Im, M., Neuschaefer, L. W., Windhorst, R. A., Driver, S. P., Ostrander, E. J., Schmidtke, P. C., Mutz, S. B., Ellis, R. S., Gilmore, G., Elson, R. A. W., Glazebrook, K., Santiago, B., Green, R. F., Sarajedini, V., Huchra, J. P., Illingworth, G. D., Koo, D. C., Forbes, D. A., Phillips, A. C., Tyson, J. A., & McIlroy, P. 1994, BAAS, 26, 1404 (Abstract 54.01)
- 36) "The HST Medium Deep Survey: Steward BVRIJK and FASTTRAC JHK Imaging and Photometry of Faint Field Galaxies from Parallel WF/PC Images"  
Mutz, S. B., Windhorst, R. A., Ostrander, E. J., Wittman, D., Close, L., McCarthy, D., Griffiths, R. E., & Neuschaefer, L. W. 1994, BAAS, 26, 1404 (Abstract 54.02)
- 37) "The HST Medium Deep Survey: Light Profiles and Redshifts for Field Galaxies out to  $z\sim 0.6$ "  
Schmidtke, P. C., Windhorst, R. A., Mutz, S. B., Pascarelle, S. M., Franklin, B. E., Ostrander, E. J., & Griffiths, R. E. 1994, BAAS, 26, 1404 (Abstract 54.03)
- 38) "A Deep ROSAT Survey of the Lynx.3A Region"  
Mathis, D. F., Windhorst, R. A., Burstein, D., Franklin, B. E., Anderson, S. F., Maccacaro, T., Griffiths, R. E., Neuschaefer, L. W., Morgan, W. A., Koo, D. C., Gronwall, C., & Willmer, C. N. A. 1994, BAAS, 26, 1428 (Abstract 74.10)
- 39) "Galaxies and Pairs in a Deep WFPC2 Field"  
Keel, W. C., Windhorst, R. A., & Franklin, B. E. 1994, BAAS, 26, 1494 (Abstract 106.03)
- 40) "Properties of Field Galaxies to  $I = 22$  in the Medium Deep Survey"  
Phillips, A. C., Forbes, D. A., Gronwall, C., Illingworth, G. D., Koo, D. C., Griffiths, R. E., Ratnatunga, K. U., Ellis, R. S., Green, R. F., Huchra, J. P., Tyson, J. A., & Windhorst, R. A. 1994, BAAS, 26, 1495 (Abstract 106.09)
- 41) "Deep HST/PC Imaging of a Young Elliptical Radio Galaxy at  $z=2.390$ "  
Windhorst, R. A., & Keel, W. C. 1994, BAAS, 26, 1497 (Abstract 107.04)
- 42) "Discovery of a Cluster of Young Galaxies at  $z \simeq 2.40$  in Deep HST WFPC2 Images: Formation from Sub-galactic Size Clumps?"  
Pascarelle, S. M., Windhorst, R. A., Odewahn, S. C., & Keel, W. C. 1995, BAAS, 27, 1442 (Abstract 110.01)
- 43) "Automated Morphological Classification in a deep HST Field: Evolving and Non-evolving Faint Galaxy Populations"  
Odewahn, S. C., Windhorst, R. A., Driver, S. P., & Keel, W. C. 1996, BAAS, 28, 758 (Abstract 124.05)
- 44) "Radio Imaging of the Hubble Deep Field"  
Kellermann, K. I., Fomalont, E. B., Richards, E., Partridge, R. B., & Windhorst, R. A. 1996, BAAS, 28, 829 (Abstract 6.05)
- 45) "Galaxy Formation from Subgalactic-sized Clumps at  $z \simeq 2.39$ "

- Pascarelle, S. M., Windhorst, R. A., Keel, W. C., Scoville, N., & Armus, L. 1996, BAAS, 28, 1386 (Abstract 83.02)
- 46) “Galaxy Morphology at High Redshift”  
Odewahn, S. C., Windhorst, R. A., Driver, S. P., & Keel, W. C. 1996, BAAS, 28, 1411 (Abstract 103.02)
- 47) “A Systematic UBVRIJHK Survey of Nearby Galaxies to Classify Faint Galaxies from Deep HST Surveys”  
Burg, C. A. T. C., Windhorst, R. A., Odewahn, S. C., de Jong, R. S., & Frogel, J. A. 1997, BAAS, 29, 1207 (Abstract 3.05)
- 48) “The HST WFPC2 B-Band Parallel Survey”  
Cohen, S. H., Windhorst, R. A., Burg, C. A. T. C., Odewahn, S. C., Driver, S. P., de Jong, R. S., Marzke, R. O., Tyson, J. A., & Dell’Antonio, I. 1997, BAAS, 29, 1209 (Abstract 3.14)
- 49) “Internet Deployment in Elementary Astronomy Education”  
Towarnyckyj, J., Stone, J., Brisbin, D., Filley, R., Windhorst, R. A., & Ponder, A. 1997, BAAS, 29, 1211 (Abstract 4.07)
- 50) “Using Deep Radio and Optical Surveys to Find  $z > 6$  Candidates”  
Richards, E. A., Windhorst, R. A., Kellermann, K. I., Fomalont, E. B., & Partridge, R. B. 1998, BAAS, 29, 1309 (Abstract 63.03)
- 51) “Star Formation History of the Universe from Faint Radio Sources”  
Haarsma, D. B., Partridge, R. B., Windhorst, R. A., & Richards, E. A. 2000, BAAS, 196 (Abstract 06.08)
- 52) “A Fourier-based Method for Automated Morphological Classification of Galaxies”  
Odewahn, S. C., Cohen, S. H., & Windhorst, R. A. 2001, BAAS, 197 (Abstract 77.01)
- 53) “Closing in on the Hydrogen Reionization Edge Signal at  $z < 7.2$  with Deep STIS/CCD Parallels”  
Windhorst, R. A., Bernstein, R. A., Collins, N., Plait, P., Woodgate, B., Mather, J., Madau, P., & Shaver, P. 2001, BAAS, 197 (Abstract 123.01)
- 54) “Mid-UV Imaging of Nearby Early to Mid Type Galaxies as Templates for High Redshift Galaxy Classifications”  
Chiarenza, C. A. T., Windhorst, R. A., Taylor, V. A., Odewahn, S. C., Conselice, C. J., MacKenty, J., de Jong, R. S., de Grijs, R., Eskridge, P. B., Frogel, J. A., Gallagher, J. S., Kobulnicky, H., Hibbard, J. E., Matthews, L. D., & O’Connell, R. W. 2001, BAAS, 197 (Abstract 134.11)
- 55) “Mid-UV HST Imaging of Nearby Late-Type, Irregular, and Peculiar Galaxies”  
Taylor, V. A., Windhorst, R. A., Chiarenza, C. A. T., Odewahn, S. C., Conselice, C. J., MacKenty, J., de Jong, R. S., de Grijs, R., Eskridge, P. B., Frogel, J. A., Gallagher, J. S., Kobulnicky, H., Hibbard, J. E., Matthews, L. D., & O’Connell, R. W. 2001, BAAS, 197 (Abstract 134.12)
- 56) “The Brighter Side of Faint Galaxy Morphology”  
Cohen, S. H., Odewahn, S. C., & Windhorst, R. A. 2001, BAAS, 197 (Abstract 134.13)
- 57) “Deep Medium-Band Imaging to Search for  $z \gtrsim 6$  Objects”  
Yan, H., Windhorst, R., & Odewahn, S. 2001, BAAS, 197 (Abstract 135.04)
- 58) “HST Imaging of an Old Galaxy Group at  $z=1.55$ ”  
Bunker, A., Spinrad, H., McLure, R., Dey, A., Dunlop, J., Peacock, J., Stern, D., Thompson, R., Waddington, I., & Windhorst, R. 2001, BAAS, 198 (Abstract 54.07)
- 59) “Intermediate-Band Surface Photometry of the Edge-on Galaxy: NGC 4565”  
Wu, H., Burstein, D., Windhorst, R. A., Zhou, X., Chen, J. S., & the Beijing-Arizona-Taipei-Connecticut (BATC) Collaboration 2001, BAAS, 199 (Abstract 52.01)
- 60) “UV-Optical Pixel Maps of Spiral Galaxies – Clues for Dynamics and Star Formation Histories”

- Eskridge, P. B., Taylor, V. A., Windhorst, R. A., Odewahn, S. C., Chiarenza, C. A. T., Conselice, C. J., de Grijs, R., Matthews, L. D., O'Connell, R. W., Frogel, J. A., & Gallagher, J. S. 2001, BAAS, 199 (Abstract 52.10)
- 61) "The X-ray Emission of High Redshift Galaxies"  
Nandra, K., Mushotzky, R. F., Arnaud, K. A., Steidel, C. C., Adelberger, K. L., Gardner, J. P., Teplitz, H. I., & Windhorst, R. A. 2001, BAAS, 199 (Abstract 148.01)
- 62) "Simulations of NGST/NIR images at redshifts  $z=1-15$  using Mid-UV Nearby Galaxy Images from HST/WFPC2"  
Windhorst, R. A., Conselice, C. J., & Petro, L. 2001, BAAS, 199 (Abstract 157.09)
- 63) "The expected natural confusion limit for the Next Generation Space Telescope and for the Square Kilometer Array"  
Windhorst, R. A., Cohen, S. H., Jansen, R. A., Odewahn, S. C., Driver, S. P., & Hopkins, A. 2002, Abstract of review paper presented at the 36th ASA meeting in July 2002, Mollymook, NSW, Australia
- 64) "Object Sizes from Reionization to the Present, and the Natural Confusion Limit Expected in Ultradeep Surveys"  
Windhorst, R. A., Cohen, S. H., Jansen, R. A., Odewahn, S. C., Driver, S. P., Kawata, D., Gibson, B. K., Gardner, J. P., & Hopkins, A. 2002, BAAS, 201 (Abstract 32.07)
- 65) "Searching for  $z \approx 6$  Objects with a Deep ACS/WFC Parallel Observation"  
Yan, H. J., Windhorst, R. A., & Cohen, S. H. 2002, BAAS, 201 (Abstract 149.04)
- 66) "An  $H\alpha$  Survey of the Butcher-Oemler Cluster Abell 851"  
Covington, C. E., Keel, W. C., Smail, I., Owen, F. N., Morrison, G. E., Windhorst, R. A., & Odewahn, S. C. 2003, BAAS, 202 (Abstract 11.02)
- 67) "Status and Performance of HST/Wide Field Camera 3"  
Kimble, R. A. MacKenty, J. W., O'Connell, R. W., & Wide Field Camera 3 Team (incl. Windhorst, R. A.) 2003, BAAS, 203 (Abstract 46.04)
- 68) "Dark Energy, High-redshift Galaxies, and Star Formation with ORION: HST-SM5 Wide Field Camera"  
Morse, J., Scowen, P., Hester, J., Beasley M., Lauer T., & the ORION Science Team (incl. Windhorst, R. A.) 2003, BAAS, 203 (Abstract 46.06)
- 69) "Space-based Observations of Star Formation using ORION: THE MIDEX"  
Scowen, P., Morse, J., Beasley, M., Hester, J., Windhorst, R., Jansen, R. Lauer, T., Danielson, E., Sepulveda, C., Olarte, G., & the ORION MIDEX Science Team 2003, BAAS, 203 (Abstract 7.08)
- 70) "The Major Sources of the Cosmic Reionizing Background at  $z \sim 6$ "  
Windhorst, R. A., & Yan, H. J. 2003, BAAS, 203 (Abstract 144.01)
- 71) "The Luminosity Function Normalization and the Faint Galaxy Counts"  
Cohen, S. H., Windhorst, R. A., & Odewahn, S. C. 2003, BAAS, 203 (Abstract 146.12)
- 72) "Discovering Clues to Galaxy Evolution in the Radial Color Gradients of Late-type Spiral and Irregular Galaxies"  
Taylor, V. A., Odewahn, S. C., Jansen, R. A., Windhorst, R. A., & Hibbard, J. E. 2003, BAAS, 203 (Abstract 146.04)
- 73) "A Systematic Survey of Star Formation with the ORION MIDEX Mission"  
Scowen, P., Morse, J., Beasley, M., Hester, J., Windhorst, R., Desch, S., Jansen, R., Calzetti, D., Padgett, D., Hartigan, P., Oey, S., Bally, J., Gallagher, J., O'Connell, R., Kennicutt, R., & Lauer, T. 2004, BAAS, 204 (Abstract 11.04)
- 74) "Spectroscopic Confirmation of faint galaxies at  $z=4-7$  in the Hubble Ultra Deep Field"  
Malhotra, S., Rhoads, J., Pirzkal, N., Xu, C., Yan, H.-J., Ferguson, H., Stiavelli, M., Windhorst, R., & the GRAPES Collaboration 2004, BAAS, 204 (Abstract 43.06)



- 75) "The Grism Spectroscopy of the Hubble Ultra Deep Fields"  
Xu, C., Pirzkal, N., Malhotra, S., Rhoads, J., Koekemoer, A., Ferguson, H., Moustakas, L., Panagia, N., Stiavelli, M., Walsh, J., Daddi, E., Kuemel, M., Cimatti, A., Vernet, J., Windhorst, R., Gardner, J., Gronwall, C., Haiman, Z., Pasquali, A., Tsvetanov, Z., & Yan H. 2004, BAAS, 204 (Abstract 43.08)
- 76) "Intermediate Redshift Galaxies in the Hubble Ultra Deep Field from the GRAPES project"  
Rhoads, J. E., Xu, C., Mobasher, B., Malhotra, S., Pirzkal, N., Gronwall, C., Koekemoer, A., Moustakas, L., & the GRAPES Team (incl. Windhorst, R. A.) 2004, BAAS, 204 (Abstract 43.09)
- 77) "Relating Morphological and Spectroscopic Properties of Galaxies in the GRAPES / Hubble Ultra Deep Field"  
Pirzkal, N., Malhotra, S., Rhoads, J., Xu, C., Pasquali, A., & the GRAPES Team (incl. Windhorst, R. A.) 2004, BAAS, 204 (Abstract 43.07)
- 78) "AGN in Lyman alpha Blobs: Ubiquitous and Irrelevant"  
White, R. E. III, Keel, W. C., & Windhorst, R. A. 2004, HEAD 8, (Abstract 26.15, New Orleans HEAD meeting)
- 79) "Morphological Alteration of Small Cutaneous Neurons in Morbidly Obese Subjects"  
Burnett, L. A., Brower, J., Herman, J., Herman, R., Newhoff, A., Olson, J. H., Simon, S., Targovnik, J., Taylor, V., & Windhorst, R. 2005, in American Society of Bariatric Surgery, Abstract, Vol. 22, p. 240
- 80) "Constraining the Distribution of L & T Dwarfs in the Galaxy"  
Ryan Jr., R. E., Hathi, N. P., Cohen, S. H., & Windhorst R. A. 2005, BAAS, 205 (Abstract 11.12)
- 81) "Stars in the Hubble Ultra Deep Field"  
Pirzkal, N., Sahu, K. C., Burgasser, A. J., Xu, C., Malhotra, S., Rhoads, J. E., & the GRAPES Collaboration (incl. Windhorst, R. A.) 2005, BAAS, 205 (Abstract 21.01)
- 82) "Resolved Stars and Unresolved Light in NGC 1311"  
Eskridge, P. B., Monson, A. J., Jansen, R. A., Taylor, V. A., Windhorst, R. A., & de Grijs, R. 2005, BAAS, 205 (Abstract 93.16)
- 83) "Searching for Variability in the Hubble Ultra Deep Field: Clues to Galaxy Mergers."  
Cohen, S. H., Ryan, R. E., Straughn, A. N., Hathi, N. P., Windhorst R. A., Koekemoer, A. M., Pirzkal, N., Xu, C., Mobasher, B., Rhoads, J. E., Malhotra, S., & Strolger L. G. 2005, BAAS, 205 (Abstract 94.16)
- 84) "Tadpole Galaxies in the Hubble Ultra Deep Field"  
Straughn, A. N., Ryan, R. E., Cohen, S. H., Hathi, N. P., Windhorst, R. A., & Pasquali, A. 2005, BAAS, 205 (Abstract 94.17)
- 85) "The HORUS Origins Science Mission"  
Morse, J., Scowen, P., Beasley, M., Woodruff, R., & the HORUS Mission Development Team (incl. Windhorst, R. A.) 2005, BAAS, 205 (Abstract 100.08)
- 86) "A Systematic Survey of Star Formation with the ORION MIDEX Mission"  
Scowen, P., Morse, J., Beasley, M., Hester, J., Windhorst, R., Desch, S., Jansen, R., Calzetti, D., Padgett, D., Hartigan, P., Oey, S., Bally, J., Gallagher, J., O'Connell, R., Kennicutt, R., Lauer, T., & McCaughrean, M. 2005, BAAS, 205 (Abstract 109.05)
- 87) "Hubble Space Telescope Imaging of the Extremely Metal-Poor Galaxy SDSS J0133+1342"  
Corbin, M. R., Vacca, W. D., Hibbard, J. E., Somerville, R. S., Jansen, R. A., Windhorst, R. A., & Scowen P. A. 2005, BAAS, 205 (Abstract 169.06)
- 88) "Morphological Alteration of Small Cutaneous Neurons in Morbidly Obese Subjects"  
Olson, J., Burnett, L., Taylor, V., Windhorst, R., Targovnik, J., & Herman, R. 2005, in Annual Meeting of the Arizona Imaging and Microanalysis Society (ASU, Tempe, AZ)

- 89) “Studying First Light and the Cosmic Dark Ages from beyond the Earth”  
Windhorst, R. A. 2005, Earth System Processes II Meeting, The Geological Society of America and the Geological Association of Canada, Abstract 39–7.
- 90) “How will the JWST short wavelength performance affect faint galaxy parameters?”  
Windhorst, R. A., Cohen, S. H., & Jansen, R. A. 2005, Internal Technical Report to the JWST Project,  
(GSFC: [www.jwst.nasa.gov](http://www.jwst.nasa.gov) ), p. 1–37
- 91) “Tadpole Galaxies: Clues to Galaxy Assembly”  
Straughn, A. N., Cohen, S. H., Ryan, R. E., Hathi, N. P., & Windhorst, R. A., & Jansen, R. A. 2006, BAAS, 207 (Abstract 22.14)
- 92) “Intergalactic Stellar Distributions in the Interacting M81/M82 Galaxy Group”  
Sun, W.-H., Zhou, X., Chen, W.-P., Burstein, D., Windhorst, R. A., Ma, J., Byun, Y.-I., Jiang, Z. J., & Chen, J. S. 2006, BAAS, 207 (Abstract 89.02)
- 93) “How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?”  
Windhorst, R. A., Jansen, R. A., Cohen, S. H., Yan, H., & Conselice, C., 2006, BAAS, 207 (Abstract 115.03)
- 94) “ORION: Hierarchical Space-based Observations of Star Formation, From Near to Far”  
Scowen P. A., Morse, J. A., Beasley, M., Veach, T., & the ORION Science Team (incl. Windhorst, R. A.) 2006, BAAS, 207 (Abstract 130.01).
- 95) “Five Thousand Galaxy Redshifts from PEARS”  
Cohen, S. H., Ryan Jr., R. E., Malhotra, S., Rhoads, J. E., Hathi, N. P., Windhorst, R. A., Pirzkal, N., Xu, C., & the PEARS Team 2006, BAAS, 209 (Abstract 019.01)
- 96) “Surface Brightness Properties of  $z \simeq 4-6$  Galaxies in the HUDF”  
Hathi, N. P., Jansen, R. A., Cohen, S. H., Windhorst, R. A., Malhotra, S., & Rhoads, J. 2006, BAAS, 209 (Abstract 171.02)
- 97) “The Unresolved Stellar Populations of Galaxies in the HUDF”  
Ryan Jr., R. E., Jansen, R. A., Cohen, S. H., & Windhorst, R. A. 2006, BAAS, 209 (Abstract 171.03)
- 98) “Emission Line Galaxies in PEARS: A 2-D Detection Method”  
Straughn, A., Meurer, G., Gardner, J., Malhotra, S., Pirzkal, N., Hathi, N., Cohen, S., Windhorst, R. A., Rhoads, J., Xu, C., Gronwall, C., & the PEARS Team 2006, BAAS, 209 (Abstract 171.04)
- 99) “How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?”  
Windhorst, R. A., Jansen, R. A., Cohen, S. H., Mechtley, M., Yan, H., & Conselice, C. 2006, BAAS, 209 (Abstract 210.07)
- 100) “Appreciating Hubble at Hyper-speed: A Web-tool for Students and Teachers”  
Will, L. M., Mechtley, M., Cohen, S., Windhorst, R., Malhotra, S., Rhoads, J., Pirzkal, N., & Summers, F. 2006, BAAS, 209 (Abstract 218.12)
- 101) “The Galaxy Merger Rate in the Hubble Ultra-Deep Field at  $z > 1$ ”  
Ryan Jr., R. E., Cohen, S. H., Windhorst, R. A., & Silk, J. 2007, BAAS, 211 (Abstract 08.07)
- 102) “Properties of Stellar Populations of AGN Host Galaxies”  
Cohen, S. H., Ryan Jr., R. E., Grogin, N. A., & Windhorst R. A. 2007, BAAS, 211 (Abstract 45.01)
- 103) “The ”Appreciating Hubble At Hyper-speed” Web-tool and Curriculum”  
Will, L. M., Mechtley, M., Cohen, S. H., Windhorst, R. A., Summers, F., Pirzkal, N., Ryan Jr, R. E., Malhotra, S., & Rhoads, J. 2007, BAAS, 211 (Abstract 006.01)
- 104) “The Disappearance of Lyman a Blobs by  $z=0.8$ ”

- Keel, W. C., White, III, R. E., Windhorst, R. A., & Chapman, C. 2007, BAAS, 211 (Abstract 052.10)
- 105) “Multi-Color Pixel-Based Analysis of Nearby Galaxies”  
Tamura, K., Windhorst, R. A., & Jansen, R. A. 2007, BAAS, 211 (Abstract 097.13)
- 106) “PSF Photometry of HST ACS/HRC Images of CGCG 269-049”  
Kim, H., Jansen, R. A., Corbin, M. R., Windhorst, R. A., & Cid Fernandes, R. 2007, BAAS, 211 (Abstract 104.19)
- 107) “An Overdensity of Very Red Field Objects Around M60/NGC4647”  
Yan, H., Hathi, N. P., & Windhorst, R. A. 2007, BAAS, 211 (Abstract 122.06)
- 108) “Technical Aspects Of How The James Webb Space Telescope Can Measure First Light, Reionization, and Galaxy Assembly”  
Windhorst, R. A., Jansen, R. A., Cohen, S. H., Mechtley, M., Hathi, N. P., Ryan Jr., R. E., Yan, H., & Conselice, C. 2007, BAAS, 211 (Abstract 136.02)
- 109) “PEARS AGN: HST/ACS Grism Spectroscopy of Chandra Deepest Field Optical Counterparts to  $i = 26$  AB-mag”  
Grogin, N. A., Malhotra, S., Rhoads, J., Cohen, S., Hathi, N., Windhorst, R., & Pirzkal N. 2007, BAAS, 211 (Abstract 046.05)
- 110) “Mapping the Spatial Distribution of Dust Extinction within NGC 0959”  
Tamura, K., Jansen, R. A., & Windhorst, R. A. 2009, BAAS, 213 (Abstract 412.09)
- 111) “Results From The PEARS Spectrophotometric Redshift Survey In The Northern and Southern GOODS Fields”  
Cohen, S. H., Ryan, R. E., Jr., Hathi, N. P., Malhotra, S., Rhoads, J. E., Windhorst, R. A., Grogin, N. A., Pirzkal, N., Xu, C., Meurer, G. R., & Walsh, J. R., & the PEARS Team 2009, BAAS, 213 (Abstract 424.26)
- 112) “Emission-Line Galaxies from the HST PEARS Grism Survey Southern Fields”  
Straughn, A., Pirzkal, N., Meurer, G., Cohen, S., Windhorst, R., Malhotra, S., Gardner, J., Rhoads, J., Hathi, N., & Xu, C. 2009, BAAS, 213 (Abstract 424.19)
- 113) “The Galaxy Major Merger Rate at  $3 < z < 6$ ”  
Ryan, R. E., Jr., Cohen, S. H., Windhorst, R. A., Khochfar, S., Silk, J., & Hathi, N. 2009, BAAS, 213 (Abstract 424.08)
- 114) “Radial Change of Stellar Populations in the Extremely Metal-Poor Galaxy CGCG 269-049”  
Kim, H., Jansen, R. A., Windhorst, R. A., & Corbin, M. R. 2009, BAAS, 213 (Abstract 444.04)
- 115) “From Cosmic Dawn to Our Solar System: Design Reference Science Program for the Star Formation Camera aboard the Theia Space Telescope”  
Jansen, R., Scowen, P., Beasley, M., & SFC Science Team: Calzetti, D., Desch, S., Fullerton, A., Gallagher, J., Malhotra, S., McCaughrean, M., Nikzad, S., O’Connell, R., Oey, S., Padgett, D., Rhoads, J., Roberge, A., Siegmund, O., Smith, N., Stern, D., Tumlinson, J., Windhorst, R., & Woodruff, R. 2009, BAAS, 213 (Abstract 458.03)
- 116) “Design and Implementation of the Widefield High-resolution UV/Optical Star Formation Camera for the THEIA Mission”  
Scowen, P. A., Jansen, R., Beasley, M., Macenka, S., Shaklan, S., Calzetti, D., Desch, S., Fullerton, A., Gallagher, J., Malhotra, S., McCaughrean, M., Nikzad, S., O’Connell, R., Oey, S., Padgett, D., Rhoads, J., Roberge, A., Siegmund, O., Smith, N., Stern, D., Tumlinson, J., Windhorst, R., Woodruff, R., Spergel, D., & Sembach, K. 2009, BAAS, 213 (Abstract 458.02)
- 117) “Revealing the Stellar Populations Underlying the Dust in NGC 0959”  
Tamura, K., Jansen, R. A., Eskridge, P. B., Cohen, S. H., & Windhorst, R. A. 2010 BAAS, 215 (Abstract 432.12)

- 118) “The HORUS Observatory — A Next Generation Mission to Study Planetary, Stellar and Galactic Formation”  
Scowen, P. A., Beasley, M., Cooke, B., Woodruff, R., Calzetti, D., Desch, S., Fullerton, A., Gallagher, J., Hartigan, P., Jansen, R., Lauer, T., O’Connell, R., Oey, S., Padgett, D., Roberge, A., Siegmund, O., Smith, N., Stern, D., Tumlinson, J., & Windhorst, R. 2010, BAAS, 215 (Abstract 481.06)
- 119) “Size Evolution in Red Galaxies from the WFC3 Early Release Science Program”  
McCarthy, P. J., Windhorst, R., Ryan, R., Hathi, N., Cohen, S., & the WFC3 Scientific Oversight Committee 2010, BAAS, 215 (Abstract 338.03)
- 120) “The Hubble Space Telescope Wide Field Camera 3 Early Release Science Data: Panchromatic Faint Object Counts from 0.2-2 micron to AB=26-27 mag”  
Windhorst, R. A., McCarthy, P., Cohen, S., Ryan, R., Driver, S., Hathi, N., Koekemoer, A., Mechtley, M., O’Connell, R., Rutkowski, M., Yan, H., & the WFC3 Scientific Oversight Committee 2010, BAAS, 215 (Abstract 463.27)
- 121) “Galaxy Sizes in the WFC3 Early Release Science Field”  
Ashcraft, T., Cohen, S., Windhorst, R., & the WFC3 Scientific Oversight Committee 2010, BAAS, 215 (Abstract 463.28)
- 122) “Ten-Band Photometric Study of Distant Galaxies in the WFC3 Early Release Science Data: Photometric Redshifts and Physical Properties”  
Cohen, S. H., Ryan Jr., R. E., Yan, H., Hathi, N. P., Windhorst, R. A., McCarthy, P. J., O’Connell, R. W., Koekemoer, A. M., & the WFC3 Scientific Oversight Committee 2010, BAAS, 215 (Abstract 463.23)
- 123) “HST/WFC3 Early Release Science in the GOODS-South: UV-Dropout Galaxies at  $z$  2-3”  
Hathi, N. P., Ryan Jr., R. E., Cohen, S. H., Yan, H., Windhorst, R. A., McCarthy, P. J., O’Connell, R. W., Koekemoer, A. M., & the WFC3 Scientific Oversight Committee 2010, BAAS, 215 (Abstract 463.37)
- 124) “A Panchromatic Catalogue of Early-Type Galaxies at Intermediate Redshift in the ERS-II Field”  
Rutkowski, M., H. Cohen, S., Kaviraj, S., Crockett, R. M., O’Connell, R. W., Peirani, S., Silk, J., Windhorst, R. A., & the WFC3 Scientific Oversight Committee 2010, BAAS, 215 (Abstract 463.35)
- 125) “Passively-Evolving Galaxies in the Early Release Science Deep Field”  
Ryan Jr., R. E., McCarthy, P. J., Cohen, S. H., Yan, H., Hathi, N. P., Windhorst, R. A., O’Connell, R. W., Koekemoer, A., & the WFC3 Scientific Oversight Committee 2010, BAAS, 215 (Abstract 463.30)
- 126) “Emission-Line Galaxies from the WFC3 Early Release Science Data: Grism Spectra from 0.6-1.6 microns”  
Straughn, A. N., Kuntschner, H., Pirzkal, N., Kuemmel, M., Walsh, J., Cohen, S. H., Windhorst, R. A., Gardner, J. P., Meurer, G., McCarthy, P. J., Hathi, N. P., & the WFC3 Scientific Oversight Committee 2010, BAAS, 215 (Abstract 463.25)
- 127) “The High- $z$  Universe as Viewed by WFC3”  
Yan, H., Windhorst, R., Hathi, N., Cohen, S. H., Ryan, Jr., R. E., O’Connell, R. W., McCarthy, P. J., & the WFC3 Scientific Oversight Committee 2010, BAAS, 215 (Abstract 463.04)
- 128) “M83 Supernova Remnants as Revealed by HST/WFC3”  
Blair, W. P., Dopita, M., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.11)
- 129) “A Panchromatic Study of NGC3603”  
Beccari, G., Spezzi, L., Young, E., De Marchi, G., Paresce, F., Sirianni, M., Andersen, M., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.29)

- 130) “HII Regions In M83: A Spatially-resolved Analysis With HST/WFC3”  
Calzetti, D., Liu, G., Hong, S., Whitmore, B., Chandar, R., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.08)
- 131) “The Mass and Luminosity Functions of Compact Star Clusters in M83”  
Chandar, R., Whitmore, B., Calzetti, D., Kaleida, C., Kim, H., O’Connell, R., Apellániz, J. M., Mutchler, M., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.32)
- 132) “Recent Star Formation in the S0 galaxy NGC 4150”  
Crockett, R. M., Kaviraj, S., Silk, J., O’Connell, R., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.33)
- 133) “Star-formation in 30 Doradus”  
De Marchi, G., Paresce, F., Sirianni, M., Beccari, G., Spezzi, L., Andersen, M., Panagia, N., Mutchler, M., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.26)
- 134) “HST/WFC3-IR Observations in M83”  
Ferguson, B., Whitmore, B., Chandar, R., Calzetti, D., Blair, W. P., Bushouse, H., Mutchler, M., Apellániz, J. M., O’Connell, R., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.36)
- 135) “The Size Scale of Stellar Groupings in M83: from Compact Clusters to Stellar Complexes”  
Kaleida, C., Whitmore, B., Chandar, R., Kim, H., Calzetti, D., Windhorst, R., & the WFC3 Scientific Oversight Committee 2010, BAAS, 215 (Abstract 463.34)
- 136) “Population Study of Resolved Stars in M83”  
Kim, H., Whitmore, B., Chandar, R., Kaleida, C., Calzetti, D., Windhorst, R. A., & the WFC3 Scientific Oversight Committee 2010, BAAS, 215 (Abstract 463.31)
- 137) “Using HST-WFC3 Photometry to Classify Brown Dwarfs in the Field of NGC3603”  
Spezzi, L., Beccari, G., Young, E., De Marchi, G., Paresce F., Sirianni, M., Andersen, M., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.38)
- 138) “Using H-Alpha Morphology to Age-Date Star Clusters in M83”  
Whitmore, B., Chandar, R., Kim, H., Calzetti, D., Apellániz, J. M., O’Connell, R., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.24)
- 139) “WFC3: In-Flight Performance Highlights”  
Kimble, R. A., MacKenty, J. W., O’Connell, R. W., Townsend, J. A., & the WFC3 Team (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.12)
- 140) “WFC3: Design and Development History”  
MacKenty, J. W., Kimble, R. A., O’Connell, R. W., Townsend, J. A., & the WFC3 Team (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.05)
- 141) “WFC3: UVIS and IR Flat Fields”  
Dulude, M. J., Hilbert, B., Sabbi, E., Rajan, A., Kozhurina-Platais, V., & the WFC3 Team (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.03)
- 142) “WFC3: UVIS Detectors On-orbit Performance”  
Baggett, S. M., MacKenty, J. W., Kimble, R. A., Borders, T., Bushouse, H., R. Collins, N., E. Deustea, S., Dressel, L., Dulude, M., Foltz, R., Hartig, G., Hilbert, B., Hill, R., Kalirai, J., Kozhurina-Platais, V., Malumuth, E., McCullough, P., Pirzkal, N., Pavlovsky, C., Petro, L., Rajan, A., Riess, A., Sabbi, E., Viana, A., Wheeler, T., H. Wong, M., & the WFC3 Team (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.10)
- 143) “WFC3: The Photometric Performance Of The UVIS And IR Cameras”  
Borders, T. M., Kalirai, J., M. Brown, T., Deustua, S., Rajan, A., Riess, A., & the WFC3 Team (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.13)

- 144) “WFC3: Calibration Software, Products, And Reference Data”  
Bushouse, H. A., Hanley, C., Sosey, M., Sherbert, L., Swam, M., & the WFC3 Team (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.14)
- 145) “WFC3: IR Detector On-Orbit Performance”  
Hilbert, B., Dulude, M., McCullough, P., MacKenty, J. W., Kimble, R. A., Hill, R. J., Viana, A., Bushouse, H., Baggett, S., & the WFC3 Team (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.18)
- 146) “WFC3: SMOV and Cycle 17 Calibration Programs”  
Deustua, S. E., MacKenty, J., Kimble, R., R. Martel, A., Baggett, S., Barker, E., Borders, T., Bushouse, H., M. Brown, T., Dressel, L., Dulude, M., Hartig, G., Hilbert, B., Kalirai, J., Kim Quijano, J., Kozhurina-Platais, V., McLean, B., McCullough, P., Pavlovsky, C., Petro, L., Pirzkal, N., Rajan, A., Riess, A., Sabbi, E., Viana, A., Wheeler, T., H. Wong, M., Kuemmel, M., Kuntschner, H., Walsh3, J., & the WFC3 Team (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.19)
- 147) “WFC3: Optical Alignment and Performance”  
Dressel, L. L., Hartig, G., Delker, T., Sabbi, E., & the WFC3 Team (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.22)
- 148) “WFC3: Correction of UVIS Fringing Effects at Long Wavelengths”  
Wong, M. H., Malumuth, E. M., Kalirai, J. S., Sabbi, E., & the WFC3 Team (incl. R. A. Windhorst) 2010, BAAS, 215 (Abstract 463.21)
- 149) “Are Deep JWST Surveys of the First Light Epoch Limited by Instrumental, Natural, or ”Gravitational” Confusion?”  
Windhorst, R. A., Wyithe, J. S. B., Yan, H., & Mao, S. 2011, BAAS, 217 (Abstract 347.09)
- 150) “First Results from HIPPIES: Constraint on the Very Bright End of Galaxy Luminosity Function at  $z > 7$ ”  
Yan, H., & the HIPPIES Collaboration (incl. Windhorst, R. A.) 2011, BAAS, 217 (Abstract 12.805)
- 151) “Results From Medium Deep Near-UV Imaging With The HST/WFC3 Early Release Science Data”  
Cohen, S. H., Ryan R. E., Jr., Hathi, N. P., Straughn, A. N., Yan, H., Rutkowski, M. J., Windhorst, R. A., McCarthy, P. J., O’Connell, R. W., Koekemoer, A., & the WFC3 Scientific Oversight Committee) 2011, BAAS, 217 (Abstract 335.18)
- 152) “The Size Scale of Stellar Groupings in M83: from Compact Clusters to Stellar Complexes”  
Kaleida, C., Whitmore, B., Chandar, R., Kim, H., Calzetti, D., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2011, BAAS, 217 (Abstract 151.02)
- 153) “Resolved Stellar Populations in 50 Regions in M83”  
Kim, H., Whitmore, B. C., Chandar, R., Kaleida, C. C., Saha, A., Windhorst, R. A., & the WFC3 Scientific Oversight Committee 2011, BAAS, 217 (Abstract 246.17)
- 154) “WFC3 Imaging of  $z=6$  QSO Hosts: A Method for PSF Characterization and Subtraction”  
Mechtley, M., Windhorst, R. A., Schneider, G., Cohen, S. H., Fan, X., Hathi, N. P., Keel, W. C., Koekemoer, A., Rottgering, H., Ryan, R. E., Schneider, D. P., Strauss, M. A., & Yan, H. 2011, BAAS, 217 (Abstract 142.40)
- 155) “HST WFC3 Early Release Science: Emission-line Galaxies from IR Grism Observations”  
Straughn, A. N., Kuntschner, H., Kuemmel, M., Walsh, J., Cohen, S. H., Gardner, J. P., Windhorst, R. A., O’Connell, R. W., Pirzkal, N., Meurer, G., McCarthy, P. J., Hathi, N. P., Malhotra, S., Rhoads, J. E., & the WFC3 Scientific Oversight Committee 2011, BAAS, 217 (Abstract 335.19)
- 156) “Properties of Seyfert Galaxies: Various Classification Parameters”  
Tamura, K., Kim, H., Rutkowski, M. J., Benton, M., Moffet, S., Regan, B., Jansen, R. A., & Windhorst, R. A. 2011, BAAS, 217 (Abstract 142.59)

- 157) "Using H-Alpha Morphology and Surface-Brightness Fluctuations to Age-Date Star Clusters in M83"  
Whitmore, B., Chandar, R., Kim, H., Kaleida, C., Stankiewicz, M., O'Connell, R., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2011, BAAS, 217 (Abstract 156.02)
- 158) "Recent star formation in 30 Doradus"  
De Marchi, G., Paresce, F., Panagia, N., Beccari, G., Spezzi, L., Sirianni, M., Andersen, M., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2011, BAAS, 217 (Abstract 258.27)
- 159) "Large-scale Shock-ionized and Photo-ionized Gas in M83: The Impact of Star Formation"  
Hong, S.-R., Calzetti, D., Dopita, M. A., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2011, BAAS, 217 (Abstract 245.03)
- 160) "Anatomy of an Early-type Minor Merger: Modeling the Young Stars and Their Kinematics in NGC 4150 Using The Wide Field Camera 3 (WFC3) and SAURON"  
Kaviraj, S., Crockett, M., Cappellari, M., McDermid, R., Young, L., Bureau, M., Silk, J., \ O'Connell, R. W., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2011, BAAS, 217 (Abstract 312.04)
- 161) "Applying Observational Methods to Images of a Simulated High-Redshift Universe"  
Morgan, R. J, Scannapieco, E., Thacker, R., & Windhorst, R. A. 2011, BAAS, 217 (Abstract 433.23)
- 162) "Probing Minor-merger-driven Star Formation in Early-type Galaxies using Spatially-resolved Spectro-photometric Studies"  
Kaviraj, S., Crockett, M., Silk, J., O'Connell, R. W., Whitmore, B., Windhorst, R., Cappellari, M., Bureau, M., & Davies, R. 2012, BAAS, 219 (Abstract 102.01)
- 163) "Very Luminous Galaxy Population at  $z > 7$  as Revealed by HIPPIES"  
Yan, H., & the HIPPIES Collaboration (incl. R. A. Windhorst) 2012, BAAS, 219 (Abstract 129.04)
- 164) "'Observing" Images of a Simulated Universe: the High Redshift Luminosity Function"  
Morgan, R. J., Scannapieco, E., Windhorst, R. A., & Thacker, R. 2012, BAAS, 219 (Abstract 129.05)
- 165) "WFC3 Imaging of  $z=6$  Quasars: Examining The Host Galaxies of AGN in the Early Universe"  
Mechtley, M., Windhorst, R. A., Ryan, R. E., Cohen, S. H., Schneider, G., Fan, X., Hathi, N. P., Jansen, R. A., Keel, W. C., Koekemoer, A. M. Röttgering, H., Scannapieco, E., Schneider, D. P., Strauss, M. A., & Yan, H. 2012, BAAS, 219 (Abstract 243.17)
- 166) "The Evolution of Lyman Break Galaxies Between  $z=1.5$  and  $z=5.0$ "  
Hathi, N. P., McCarthy, P. J., Cohen, S. H., Ryan, R. E., Jr., Windhorst, R. A., Yan, H., Rutkowski, M. J., Koekemoer, A. M., O'Connell, R. W., & the WFC3 Scientific Oversight Committee 2012, BAAS, 219 (Abstract 246.25)
- 167) "Multi-component SED Fitting Of AGN Host Galaxies"  
Cohen, S. H., Ryan, R. E., Windhorst, R. A., Grogin, N. A., Hathi, N. P., Straughn, A. N., Mechtley, M. R., Koekemoer, A. M., O'Connell, R. W., & the WFC3 Scientific Oversight Committee 2012, BAAS, 219 (Abstract 423.04)
- 168) "Investigating The Core Morphology–Seyfert Class Relationship Using Archival Hubble Space Telescope Images Of Local Seyfert Galaxies"  
Windhorst, R. A., Rutkowski, M. J., Hegel, P., Kim, H., Tamura, K., & Corbin, M. R. 2012, BAAS, 219 (Abstract 435.07)
- 169) "Galaxy Structure in the Ultraviolet: Case studies for Galaxy Evolution"  
Mager, V., Conselice, C., Seibert, M., Gusbar, C., Windhorst, R., & Madore, B. 2012, BAAS, 219 (Abstract 441.17)
- 170) "A Picture Worth a Thousand Words"

- Gonzales, A. N., Harris, L. M., Brubaker, R., Windhorst, R. A., & Baluch, D. P. 2012, Microscopy & Microanalysis 2012 Meeting, Microscopy Society of America, Phoenix, AZ (Abstract LB-6)
- 171) “Enabling Blind Students to Tactilely Visualize Image Data”  
Gonzales, A. N., Harris, L. M., Brubaker, R., Windhorst, R. A., & Baluch, D. P. 2012, Society for Neuroscience, New Orleans Meeting (October 2012)
- 172) “New tools that enable blind students to tactilely visualize image data”  
Gonzalez, A., Harris, L., Brubaker, R., Windhorst, R., and Baluch, D.P. 2012, American Society for Cell Biology, San Francisco Meeting (November 2012)
- 173) “The Mass-Metallicity Relation of Emission-Line Selected Galaxies from HST Slitless Spectroscopy”  
Rhoads, J., Xia, L., Malhotra, S., Pirzkal, N., Straughn, A., Finkelstein, S., Cohen, S., Kuntschner, H., Kuemmel, M., Walsh, J., Windhorst, R. A., & O’Connell, R. 2012, BAAS, 220 (Abstract 336.07)
- 174) “Investigating HST/WFC3 Selected Lyman Break Galaxies at  $z=1-3$ ”  
Hathi, N. P., McCarthy, P. J., Cohen, S. H., Ryan, R. E., Windhorst, R. A., Yan, H., Rutkowski, M. J., Koekemoer, A. M., O’Connell, R. W., & the WFC3 SOC 2013, BAAS, 221 (Abstract 228.06)
- 175) “Mechanisms for Galaxy Transformation in the Complex Environment of Super-Group Abell 1882”  
Sengupta, A., Keel, W. C., Morrison, G. E., Windhorst, R. A., & Smith, B. 2013, BAAS, 221 (Abstract 304.07)
- 176) “A Search for  $z \simeq 0.5-1.1$  Ly- $\alpha$  Blobs”  
Hegel, P., Jansen, R., & Windhorst, R. A. 2013, BAAS, 221 (Abstract 147.19)
- 177) “Stellar Population Gradients of Intermediate Redshift Galaxies”  
Kim, D., Cohen, S. H., Windhorst, R. A., & WFC3 Scientific Oversight Committee 2013, BAAS, 221 (Abstract 147.35)
- 178) “Mapping the Resolved Stellar Population of the Dwarf Starburst Galaxy NGC 4214”  
Kim, H., Whitmore, B. C., Cohen, S. H., Chandar, R., Kaleida, C. C., Windhorst, R. A., & the WFC3 Scientific Oversight Committee 2013, BAAS, 221, (Abstract 250.07)
- 179) “Hubble’s Survey of the Ultraviolet Universe: Panchromatic Extragalactic Research” (SUPER)”  
Windhorst, R. A., the “SUPER” Team 2013, BAAS, 221 (Abstract 228.03)
- 180) “Quasar Host Galaxies at  $z=2$  and  $z=6$ : Point Source Subtraction With MCMC”  
Mechtley, A., Koekemoer, A. M., Jahnke, J., Smith, B. M., Windhorst, R. A., Cohen, S. H., Fan, X., Hathi, N. P., Jansen, R., Jiang, L., Keel, W. C., Röttgering, H., Ryan, R. E., Scannapieco, E., Schneider, D. P., Schneider, G., Strauss, M. A., & Yan, H. 2013, BAAS, 221 (Abstract 339.31)
- 181) “Newborn Spheroidal Galaxies at High Redshift ( $1 \lesssim z \lesssim 3$ ): When and How did the Old Stellar Populations that Dominate Today’s Universe Form?”  
Kaviraj, S., Cohen, S. H., Ellis, R. S., O’Connell, R. W., Windhorst, R. A., Silk, J., & the WFC3 Scientific Oversight Committee 2013, BAAS, 221, (Abstract 303.06)
- 182) “Mass Dependent Galaxy Transformation Mechanisms In The Complex Environment Of Super-Group Abell 1882”  
Sengupta, A., Keel, W. C., Morrison, G. E., Windhorst, R. A., & Smith, B. M. 2013, BAAS, 222 (Abstract 314.09)
- 183) “Magellanic Clues to Spatially-resolved Extinction Corrections for Distant Galaxies in the HST/JWST Era”  
Jansen, R. A., Kim, D., Shewcraft, T., Windhorst, R. A., & Tamura, K. 2014, BAAS, 223 (Abstract 246.20)



- 184) “Strategies to observe JWST First Light objects at  $z=10-20$  based on recent results from the HUDF XDF”  
Windhorst, R. A., Cohen, S. H., Jansen, R. A. Driver, S. P., Robotham, A., Alpaslan, M., Lange, R., Hopkins, A. M., Cluver, M., Konstantopoulos, I., Wyithe, J. S. B., Barone-Nugent, R. L., & D. Carrasco-Nunez 2014, BAAS, 223 (Abstract 246.62)
- 185) “Spatio-Temporal Sequencing Of Mass Dependent Galaxy Transformation Mechanisms In The Complex Environment Of Super-Group Abell 1882”  
Sengupta, A. Keel, W. C., Morrison, G. E., Windhorst, R. A., & Smith, B. 2014, BAAS, 223 (Abstract 231.03)
- 186) “The insignificance of major mergers in the early Universe”  
Kaviraj, S., Cohen, S. H., Windhorst, R. A., Silk, J. I., Ellis, R. S., & Dekel, A. 2014, BAAS, 223 (Abstract 310.07)
- 187) “A search for  $z \gtrsim 1.2$  Ly-alpha Blobs using SWIFT”  
Ashcraft, T., Hegel, P. Jansen, R. A., Rutkowski, M. J., & Windhorst, R. A., 2014, BAAS, 223 (Abstract 432.01)
- 188) “Age and Mass Distributions of Resolved Stellar Populations in NGC 4214 based on HST WFC3 ERS Observations”  
Kim, H., Whitmore, B. C., Cohen, S. H., Chandar, R., Kaleida, C. C., & the WFC3 Scientific Oversight Committee (incl. R. A. Windhorst) 2014, BAAS, 223 (Abstract 442.37)
- 189) “SITELE: New Imaging Fourier Transform Spectrograph at CFHT — IFTS for LBTO?”  
Morrison, G., Grandmont, F., Drissen, L., Windhorst, R. & Wagner, M. 2014, Large Binocular Telescope Observatory First Users’ Meeting (Abstract)
- 190) “UVUDF: Ultraviolet Imaging of the Hubble Ultra Deep Field with Wide-Field Camera 3”  
Teplitz, H., Rafelski, M., Kurczynski, P., Bond, N., Soto, E., Grogin, N., Koekemoer, A., Atek, H., Brown, T., Coe, D., Colbert, J., Dai, Y., Ferguson, H., Finkelstein, S., Gardner, J., Gawiser, E., Giavalisco, M., Gronwall, C., Hanish, D., Lee, K., Levay, Z., De Mello, D., Ravindranath, S., Ryan, R., Siana, B., Scarlata, C., Voyer, E., & R. Windhorst 2014, BAAS, 224 (Abstract 417.06)
- 191) “Tactile Literacy: Customizing STEM Education”  
Gonzales, A. N., Harris, L. M., Martin, B. R., Hasper, E., Hedgpeth, T., Windhorst, R. A., & Baluch, D. P. 2014, Am. Soc. for Cell Biology (December 2014)
- 192) “Magellanic Clues to Spatially-Resolved Extinction Corrections for Distant Galaxies in the HST/JWST Era”  
Jansen, R. A., Kim, D., Shewcraft, T., Windhorst, R. A., & Tamura, K. 2015, BAAS, 225 (Abstract 143.13)
- 193) “Analysis of the Intrinsic  $\beta_{\lambda,0}$  Ratio using Spectral Synthesis Models of Composite Stellar Populations”  
Kim, D., Jansen, R. A., & Windhorst, R. A. 2015, BAAS, 225 (Abstract 143.14)
- 194) “Hubble Space Telescope Wide Field Camera 3 Observations of Escaping Lyman Continuum Radiation from Galaxies and AGN at Redshifts  $z \approx 2.3-6$ .”  
Smith, B. M., Windhorst, R. A., Cohen, S. H., Jansen, R. A., Jiang, L., Dijkstra, M., Koekemoer, A. M., Bielby, R., MacKenty, J. W., O’Connell, R. W., & Silk, J. I. 2015, BAAS, 225 (Abstract 255.16)
- 195) “Predicting Intrinsic mid-IR to Optical Flux Ratios for Galaxies of Different Types using Spectral Synthesis Models of Composite Stellar Populations”  
Kim, D., Jansen, R. A., & Windhorst, R. A. 2016, BAAS, 227 (Abstract 342.24)
- 196) “Results from Stacking Grism Spectra of Galaxies at  $0.6 < z < 1.2$  in the Probing Evolution And Reionization Survey (PEARS)”  
Joshi, B., Malhotra, S., Windhorst, R. A., and the PEARS & FIGS teams, 2016, BAAS, 228 (Abstract 118.05)

- 197) “First Simultaneous Detection of Lyman-alpha Emission and Lyman Break from a Galaxy at Redshift 7.51 from Faint Infrared Grism Survey (FIGS)”  
Tilvi, V., Pirzkal, N., Malhotra, S., Finkelstein, S. L., Rhoads, J. E., Windhorst, R. A., Grogin, N. A., Koekemoer, A. M., Zakamska, N. L., Hathi, N. P., Pharo, J., Joshi, B., Yang, H., Gronwall, C., Cimatti, A., Walsh, J., O’Connell, R. W., Straughn, A., Ostlin, G., Rothberg, B., Livermore, R. C., Hibon, P., & Gardner, J. P. (FIGS Team) 2017, BAAS, 229 (Abstract 347.08)
- 198) “Galaxy Structure in the Far-Ultraviolet”  
Mager, V., Conselice, C., Seibert, M., Gusbar, C., Katona, A., Villari, J., Madore, B. F., & Windhorst, R. A. 2017, BAAS, 229 (Abstract 427.01)
- 199) “The JWST North Ecliptic Pole Survey Field for Time-domain Studies”  
Jansen, R. A., Windhorst, R. A., Alpaslan, M., Ashby, M., Ashcraft, T., Cohen, S. H., Condon, J. J., Conselice, C., Ferrara, A., Frye, B. L., Grogin, N. A., Hammel, H. B., Hathi, N. P., Joshi, B., Kim, Duho, Koekemoer, A. M., Mechtley, M., Milam, S. N., Rodney, S. A., Rutkowski, M. J., Strolger, L.-G., Trujillo, C. A., Willmer, C., & Yan, H. 2017, BAAS, 229 (Abstract 438.04)
- 200) “Ultra-deep Large Binocular Camera U-band Imaging of the GOODS-North Field: Depth vs. Resolution”  
Ashcraft, T., Windhorst, R. A., Jansen, R. A., Cohen, S. H., Grazian, A., Boutsia, K., Fontana, A., Giallongo, E., O’Connell, R. W., Paris, D., Rutkowski, M. J., Scarlata, C., & Testa, V., 2017, BAAS, 229 (Abstract 438.06)
- 201) “The JWST North Ecliptic Pole Survey Field for Time-domain Studies”  
Jansen, R. A., Windhorst, R. A., Alpaslan, M., Ashby, M., Ashcraft, T., Cohen, S. H., Condon, J. J., Conselice, C., Ferrara, A., Frye, B. L., Grogin, N. A., Hammel, H. B., Hathi, N. P., Joshi, B., Kim, Duho, Koekemoer, A. M., Mechtley, M., Milam, S. N., Rodney, S. A., Rutkowski, M. J., Strolger, L.-G., Trujillo, C. A., Willmer, C., & Yan, H. 2017, BAAS, 230 (Abstract 216.02)
- 202) “The Discovery and Properties of a Newly Discovered Compact Lensing Cluster CLIO at  $z=0.42$ : A unique JWST target”  
Conselice, C., Griffiths, A., Alpaslan, M., Frye, B., Zitrin, A., Diego, J., Yan, H., Ma, Z., Barone-Nugent, R., Bhatawdekar, R., Driver, S., Robotham, A., Windhorst, R., Wyithe, S. 2018, BAAS, 231 (Abstract 306.04)
- 203) “Studying Cosmic Dawn with WFIRST”  
Rhoads, J., Malhotra, S., Jansen, R. A., Windhorst, R., Tilvi, V., Finkelstein, S., Wold, I., Papovich, C., Fan, X. Mellema, G., Zackrisson, E., Jensen, H. 2018, BAAS, 231 (Abstract 258.17)
- 204) “UV–Visible observations with HST in the JWST North Ecliptic Pole Time-Domain Field”  
Jansen, R. A., Windhorst, R., Grogin, N., Koekemoer, A., Royle, P., Hathi, N., Jones, V., Cohen, S., Ashcraft, T., Willmer, C., Conselice, C., White, C., Frye, B., HST-GO-15278 Team, and the Webb Medium Deep Fields IDS GTO team 2018, BAAS, 231 (Abstract 354.14)
- 205) “A Search for Ly $\alpha$  Emission from Galaxies at  $6 < z < 8$  Using Deep HST Grism Observations: Discovery of a  $z=7.5$  Galaxy”  
Larson, R. L., Finkelstein, S. L., Pirzkal, N., Ryan, R., Tilvi, V., Malhotra, S., Rhoads, J., Finkelstein, K., Jung, I., Christensen, L., Cimatti, A., Ferreras, I., Grogin, N., Koekemoer, A. M., Nimish, N., O’Connell, R., Östlin, G., Pasquali, A., Rothberg, B., Windhorst, R. A., & the FIGS Team 2018, BAAS, 231 (Abstract 357.07)
- 206) “On the Observability of Individual Population III Stars and Their Stellar-mass Black Hole Accretion Disks through Cluster Caustic Transits”  
Windhorst, R. A., Timmes, F. X., Wyithe, J. S. B., Alpaslan, M., Andrews, S. K., Coe, D., Diego, J. M., Dijkstra, M., Driver, S. P., Kelly, P. L., & Kim, D. 2018, in HST Spring Symposium on the “21<sup>st</sup> Century HR-diagram” (Baltimore: STScI)
- 207) “On the Observability of Individual Population III Stars and Their Stellar-mass Black Hole Accretion Disks through Cluster Caustic Transits”

Windhorst, R. A., Timmes, F. X., Wyithe, J. S. B., Alpaslan, M., Andrews, S. K., Coe, D., Diego, J. M., Dijkstra, M., Driver, S. P., Kelly, P. L., & Kim, D. 2018, BAAS, 232 (325.09)

APPENDIX 5. PARTICIPATION IN SYMPOSIA

1. Invited Reviews or Published Conference Papers

Symposium	Location	Date
IAU Symposium No. 97 on "Extragalactic Radio Sources" (1 paper)	Albuquerque (NM)	Aug. 1981
IAU Symposium No. 104 on "The Early Evolution of the Universe and its Present Structure" (2 papers)	Crete Greece	Aug. 1982
Space Telescope Workshop on "Deep Observations of the Formation and Evolution of Galaxies" (Invited Review)	Baltimore (MD)	May 1985
XIX <sup>th</sup> General Assembly of the International Astronomical Union (Invited Review)	New Delhi India	Nov. 1985
IAU Symposium No. 124 on "Observational Cosmology" (1 paper)	Beijing China	Aug. 1986
169 <sup>th</sup> Annual Meeting of the American Astronomical Society (1 paper)	Pasadena (CA)	Jan. 1987
V <sup>th</sup> Steward Observatory Internal Symposium (Invited Review)	Tucson (AZ)	Feb. 1988
Fourth International Conference on Supercomputing, and Third World Supercomputer Exhibition (Invited Review)	Santa Clara (CA)	May 1989
The Evolution of the Universe of Galaxies, Edwin Hubble Centennial Symposium (Invited Review)	Berkeley (CA)	June 1989
175 <sup>th</sup> Annual Meeting of the American Astronomical Society (2 poster papers)	Washington (DC)	Jan. 1990
176 <sup>th</sup> Annual Meeting of the American Astronomical Society (2 poster papers)	Albuquerque (NM)	June 1990
1st Annual October Astrophysics Conference in Maryland: on "After the First Three Minutes" (1 review + 1 paper)	College Park (MD)	Oct. 1990
Aspen Winter School on "Recent Advances in Cosmology" (1 review + 3 contributed papers)	Aspen (CO)	Jan. 1991
STScI workshop on "AGN at High Redshifts" (2 papers)	Baltimore (MD)	Aug. 1991
Workshop on "Science with the Hubble Space Telescope" (2 papers)	Sardinia Italy	July. 1992
International Symposium on "Observational Cosmology" (1 review + 1 paper)	Milano Italy	Sep. 1992
181 <sup>st</sup> Annual Meeting of the American Astronomical Society (1 invited review + 6 poster papers)	Phoenix	Jan. 1993
Workshop on the "Formation of Elliptical Galaxies" (Invited Review)	Rome Italy	May 1993

**1. Invited Reviews or Published Conference Papers (continued)**

Symposium	Location	Date
"Frontiers of Space and Ground-based Astronomy" ESTEC Symposium (1 paper)	Noordwijk The Netherlands	May 1993
NASA/STScI Science Writers Workshop (Invited Review)	Baltimore (MD)	June 1993
"The formation of Radio Quasars and Radio Galaxies" Carnegie Workshop (Invited Review)	Pasadena (CA)	Nov. 1993
183 <sup>rd</sup> Annual Meeting of the American Astronomical Society (9 poster papers)	Washington DC (DC)	Jan. 1994
"Quantifying Galaxy Morphology at High Redshift" STScI Workshop (1 poster paper)	Baltimore (MD)	Apr. 1994
"Galaxies in the Young Universe" Max Planck Workshop (1 invited review + 4 papers)	Munich/Ringberg Germany	Sep. 1994
185 <sup>th</sup> Annual Meeting of the American Astronomical Society (11 poster papers)	Tucson (AZ)	Jan. 1995
IAU Symposium No. 171 on "New Light on Galaxy Evolution" (1 review + 1 contributed paper)	Heidelberg Germany	June 1995
Pontifical Academy of Sciences Workshop on "The Emergence of Structure in the Universe" (Invited Review)	Vatican City (Vatican)	Nov. 1996
The Ultraviolet Universe at Low and High Redshift: Probing the Progress of Galaxy Evolution (paper)	College Park (MD)	May 1997
"The Hubble Deep Field" STScI Workshop (Invited Review)	Baltimore (MD)	May 1997
Royal Netherlands Academy of Sciences on "The Most Distant Galaxies" (Invited Review)	Amsterdam (Netherlands)	Oct. 1997
X <sup>th</sup> Rencontres de Blois meeting on the "Birth of Galaxies" (Invited Review)	Paris (France)	July 1998
9 <sup>th</sup> Annual October Astrophysics Conference in Maryland: on "When Galaxies Were Young" (Invited Review)	College Park (MD)	Oct. 1998
Workshop in honor of Hy Spinrad's 65th birthday: "The Hy-Redshift Universe" (Invited Review)	Berkeley (CA)	June 1999
A New Millennium for Galaxy Morphology – From z=0 to the Lyman Break (Invited Review)	Johannesburg (South Africa)	Sep. 1999
The ESO/ECF/STScI "Deep Fields" Workshop (1 paper)	Garching (Germany)	Oct. 2000
197 <sup>th</sup> Annual Meeting of the American Astronomical Society (5 poster papers)	San Diego (CA)	Jan. 2001
The HST Advanced Camera High Latitude Survey Workshop (Invited Review)	Baltimore (MD)	Mar. 2001

**1. Invited Reviews or Published Conference Papers (continued)**

---

Symposium	Location	Date
Workshop in honor of Harry van der Laan's 65th birthday: "The Radio Universe" (Invited Review)	Leiden (Netherlands)	Nov. 2001
199 <sup>th</sup> Annual Meeting of the American Astronomical Society (5 poster papers)	Washington (DC)	Jan. 2002
36th Annual General Meeting of the Astronomical Society of Australia (Invited Review)	Mollymook (Australia)	Jul. 2002
Lowell Observatory Workshop on "The Outer Edges of Dwarf Irregular Galaxies (3 poster papers)	Flagstaff (AZ)	Oct. 2002
The First Hubble Space Telescope Treasury Workshop (session chair)	Baltimore (MD)	Nov. 2002
Lorentz Center Workshop on "Radio galaxies: Past, Present and Future" (Invited Review)	Leiden (Netherlands)	Nov. 2002
201 <sup>st</sup> Annual Meeting of the American Astronomical Society (1 paper + 1 poster)	Seattle (WA)	Jan. 2003
Workshop on "The Topology of Reionization" (Invited Review)	Tucson (AZ)	Mar. 2003
Lorentz Center Workshop on "Emission Line Halos" (Invited Review)	Leiden (Netherlands)	Jun. 2003
203 <sup>st</sup> Annual Meeting of the American Astronomical Society (6 poster papers)	Atlanta (GA)	Jan. 2004
South Africa Conference on "Galaxy Structure" (Invited Review)	Bakubung Lodge (South Africa)	Jun. 2004
Arizona/Heidelberg Symposium: "The High Redshift Frontier" (1 paper)	Tucson (AZ)	Dec. 2004
205 <sup>st</sup> Annual Meeting of the American Astronomical Society (9 poster papers)	San Diego (CA)	Jan. 2005
First Light and Reionization Workshop (2 Invited Reviews)	Irvine (CA)	May 2005
Geological Society of America and Canada Earth Systems II Meeting (Invited Review)	Calgary (Canada)	Aug. 2005
Lorentz Center Workshop on "QSO Host galaxies — Evolution and Environment" (Invited Review)	Leiden (Netherlands)	Aug. 2005
207 <sup>st</sup> Annual Meeting of the American Astronomical Society (4 poster papers)	Washington (DC)	Jan. 2006
26 <sup>th</sup> COSPAR Scientific Assembly — High Resolution Imaging from Space (Invited Review)	Beijing, (China)	Jul. 2006
209 <sup>st</sup> Annual Meeting of the American Astronomical Society (6 poster papers)	Seattle (WA)	Jan. 2007

---

**1. Invited Reviews or Published Conference Papers (continued)**

---

Symposium	Location	Date
Thirty Meter Telescope Workshop on "Science in the Era of the TMT" (Invited Review)	Irvine (CA)	Jul. 2007
NASA/GSFC and STScI Workshop on "Astrophysics in the Next Decade: JWST and Concurrent Facilities"	Tucson (AZ)	Sep. 2007
211 <sup>st</sup> Annual Meeting of the American Astronomical Society (11 poster papers)	Austin (TX)	Jan. 2008
NASA/ESA Workshop on "Science with the new Hubble Space Telescope after Servicing Mission 4"	Bologna (Italy)	Jan. 2008
Arecibo Workshop on "The Evolution of Galaxies seen through the Neutral Hydrogen Line" (Invited Review)	Arecibo (Puerto Rico)	Feb. 2008
Southern Cross Conf. on "Merging Black Holes in Galaxies: Galaxy Evolution, AGN & Gravitational Waves" (inv. Review)	Blue Mountains (Sydney, OZ)	June 2008
Kavli Workshop on "Cosmic Reionization: Formation & Evolution of Stars, Galaxies & Black Holes" (Invited Review)	Beijing (China)	July 2008
Los Alamos Workshop on "Great Surveys in Astrophysics" (Invited Review)	Santa Fe (NM)	Nov. 2008
National Radio Astronomy Observatory Workshop on "Next Decade's Radio Astronomy" (led panel discussion)	Socorro (NM)	Dec. 2008
213 <sup>st</sup> Annual Meeting of the American Astronomical Society (7 poster papers)	Long Beach (CA)	Jan. 2009
ASU Origins Symposium (Invited Review)	Tempe (AZ)	Apr. 2009
HST Wide Field Camera 3 Scientific Oversight Committee Early Release Science Meeting (led panel discussion)	Baltimore (MD)	Nov. 2009
European Science Foundation Conference on "The Origin of Galaxies" (Invited Review)	Obergurgl (Austria)	Dec. 2009
215 <sup>st</sup> Annual Meeting of the American Astronomical Society (Invited talk to the Press + 33 poster papers)	Seattle (DC)	Jan. 2010
Aspen Workshop on "The High Redshift Universe: A Multi-Wavelength View" (Invited Review)	Aspen (CO)	Feb. 2010
Austin Workshop on "First Stars and Galaxies" (Invited Review)	Austin (TX)	Mar. 2010
Irvine Workshop on "The View from 5 AU: Measuring the Diffuse Sky Brightness from the Outer Solar System (Review)	Irvine (CA)	Mar. 2010
Workshop on "Key Issues in High-redshift Galaxy/Black Hole Evolution in the ALMA/JWST Era" (Invited Review)	Hangzhou (China)	Jun. 2010
Workshop on "Robotic Science from the Moon: Gravitational Physics, Heliophysics and Cosmology" (Invited Review)	Boulder (CO)	Oct. 2010

---

**1. Invited Reviews or Published Conference Papers (continued)**

Symposium	Location	Date
217 <sup>st</sup> Annual Meeting of the American Astronomical Society (Invited talk to the Press + 12 poster papers)	Seattle (DC)	Jan. 2011
Workshop on "Frontier Science Opportunities with JWST" (Invited talk)	Baltimore (MD)	Jun. 2011
Workshop on the "First Galaxies" (Invited Review)	Ringberg (Bavaria, Germany)	Jun. 2011
Workshop on "High Redshift Galaxy Evolution" (Invited Review)	Potsdam (Berlin, Germany)	Sep. 2011
Northrop Grumman Distinguished Visitor Series (Invited Review)	Redondo Beach (CA)	Apr. 2012
IAU General Assembly; Joint Discussion 9 on "Future Telescopes" (Invited Review)	Beijing (China)	Aug. 2012
Exploring the Dark Universe — L. Z. Fang Workshop (Invited Review)	UofA, Tucson (AZ)	Oct. 2012
221 <sup>st</sup> AAS Meeting — UV Special Session (Invited Review)	Long Beach (CA)	Jan. 2013
Astronomy, Radio Sources and Society Workshop (2013 Miley-fest: Invited Review and Panel Discussion)	Leiden (Netherlands)	June 2013
Kavli Institute/GMT Workshop: "Cosmology in the Era of Extremely Large Telescopes" (Invited Review)	Chicago (IL)	June 2013
2013 Astronomical Society of Australia Annual Scientific Meeting (Invited Review)	Monash (VIC) (Australia)	Jul. 2013
Reionization in the Red Centre Workshop: New Windows on the High Redshift Universe (Invited CAASTRO Review)	Ayers Rock (NT) (Australia)	Jul. 2013
223 <sup>st</sup> AAS Meeting (Poster papers)	Washington DC (DC)	Jan. 2014
ASU Origins Workshop: "Is the Universe Necessary?" (Invited Review)	Tempe (AZ)	Feb. 2014
Fourth Accademia dei Lincei Conference "Science with the Hubble Space Telescope" (Session Chair)	Rome (Italy)	Mar. 2014
18 <sup>th</sup> Chalonge Cosmology Colloquium "Latest News from the Universe" (Invited Review)	Paris Observatory (France)	July 2014
James Webb Space Telescope Guaranteed Observing Time Workshop (3 talks and Session Chair)	Baltimore (MD)	Aug. 2014
Yale Hubble Frontier Fields Workshop "Shedding Light on the Dark Ages and Dark Matter" (Invited Review)	New Haven (CT)	Nov. 2014
CET Workshop on "Reionization: A Multi-wavelength Approach" (Invited Review)	Kruger Gate (South Africa)	June 2015



1. Invited Reviews or Published Conference Papers (continued)

---

Symposium	Location	Date
ESA/ESTEC JWST Science Workshop (Invited Review)	Noordwijk (The Netherlands)	Oct. 2015
Lagrange "First Light" Conference, Inst. d'Astrophysique (Invited Review+Plenary talk)	Paris (France)	Dec. 2015
SPHEREx Community Workshop (Invited Review Talk)	Caltech (Pasadena, CA)	Feb. 2016
Far-IR Surveyor STDT Meeting (by Videocon) (Invited Review Talk)	NASA, GSFC (Greenbelt, MD)	May 2016
JWST Guaranteed Observing Time Workshop (2 Invited talks)	U. Victoria (BC; Canada)	May 2016
Kavli "Cold Universe" Workshop (2 Invited Talks)	UC St. Barbara (Santa Barbara, CA)	Jun. 2016
JWST Science Workshop (Lead of Concluding Discussion)	Royal Observ. (Edinburgh, UK)	Jul. 2016
NRAO Workshop "Future of Radio Astronomy" (Lead of Panel Discussion)	Inner Harbor (Baltimore, MD)	Aug. 2016
van der Laan 80 <sup>th</sup> Birthday Symposium (Invited Review Talk)	Univ. Leiden (The Netherlands)	Oct. 2016
JWST Science Workshop (Lead GTO team meeting)	Univ. Montreal (Montreal, Canada)	Oct. 2016
229 <sup>st</sup> AAS Meeting (Poster papers)	Dallas (TX)	Jan. 2017

---

APPENDIX 5. PARTICIPATION IN SYMPOSIA (continued)

2. Conference Attendance and/or Unpublished Presentations

---

Symposium	Location	Date
Eighth Advanced Course of the Swiss Society of Astronomy and Astrophysics, "Observational Cosmology"	Saas Fee Switzerland	Apr. 1978
XIth Young European Radio Astronomers Conference (1 paper)	Manchester England	July 1978
XIIth Young European Radio Astronomers Conference (1 paper)	Puschino USSR	Sep. 1979
ESO Workshop on "Two Dimensional Photometry"	Noordwijkerhout The Netherlands	Nov. 1979
IAU Symposium No. 94 on "The Origin of Cosmic Rays" (1 paper)	Bologna Italy	June 1980
AAS/SPIE Conference on "Applications of Digital Image Processing to Astronomy"	Pasadena CA, USA	Aug. 1980
NATO Summer School on "The Origin and Evolution of Galaxies" (1 contributed paper)	Erice Sicily	May 1981
National Optical Astronomy Observatory Workshop on "Quasars"	Tucson AZ, USA	Jan. 1988
XX <sup>th</sup> General Assembly of the International Astronomical Union (3 contributed papers)	Baltimore MD, USA	Aug. 1988
VI <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Mar. 1989
VII <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Feb. 1990
VIII <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Mar. 1991
IX <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Apr. 1992
X <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Feb. 1993
XII <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Mar. 1995
XIII <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Apr. 1996
Princeton Conference on "Cosmology Dialogues"	Princeton (NJ)	June 1996
XIV <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Mar. 1997

---

**2. Conference Attendance and/or Unpublished Presentations (continued)**

---

Symposium	Location	Date
The Ultraviolet Universe at Low and High Redshift (2 papers)	College Park (MD)	May 1997
XV <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Mar. 1998
XVI <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Mar. 1999
Large Binocular Telescope Optical/UV Spectrograph Working Group (LBTOSWG) Meeting (1 paper)	Columbus OH, USA	Mar. 1999
NOAO Workshop on "Applications and Science Drivers for a Large Wide-Field Survey Telescope" (1 paper)	Tucson AZ, USA	Apr. 1999
NOAO Workshop on the Future of National O/IR Astronomy	Phoenix AZ, USA	Oct. 2000
XVI <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Oct. 2000
XVIII <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Nov. 2001
XX <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Oct. 2003
XXI <sup>th</sup> Steward Observatory Internal Symposium (1 paper)	Tucson AZ, USA	Nov. 2004
Workshop on "Primordial Magnetism"	Tempe (AZ)	Mar. 2011

---

## APPENDIX 6. COLLOQUIA AND SEMINARS

Date	Institute	Title
79/09/20	Sterrewacht Leiden (Leiden, The Netherlands)	First Identifications of the Westerbork-Einstein Deep Survey.
81/09/02	Centre for Astrophysics (Cambridge, MA)	Deep Optical Identifications of Radio and X-ray Sources.
81/09/04	Goddard Space Flight Centre (Greenbelt, MD)	Deep Optical Identifications of Radio and X-ray Sources.
81/10/01	Sterrewacht Leiden (Leiden, The Netherlands)	The Cosmological Evolution of Radio Galaxies.
81/10/19	Royal Greenwich Observatory (Herstmonceux, UK)	The Cosmological Evolution of Radio Galaxies.
81/10/21	Physics Department (Durham, UK)	The Cosmological Evolution of Radio Galaxies.
81/10/23	Royal Observatory (Edinburgh, UK)	The Cosmological Evolution of Radio Galaxies.
82/06/09	UKIRT (Hilo, Hawaii)	Deep Optical and Near-IR Photometry of Faint Radio Galaxies.
82/06/17	Astronomy Department, Univ. of California (San Diego, CA)	Deep Optical and Near-IR Photometry of Faint Radio Galaxies.
82/06/24	Kitt Peak National Observatory (Tucson, AZ)	Deep Optical and Near-IR Photometry of Faint Radio Galaxies.
84/01/12	Sterrewacht Leiden (Leiden, The Netherlands)	Ultradeep Radio Surveys and the Nature of Faint Radio Galaxies.
84/01/13	Radio Sterrewacht Dwingeloo (Dwingeloo, The Netherlands)	Ultradeep Radio Surveys with Westerbork and the VLA.
84/01/16	Kapteyn Sterrewacht (Groningen, The Netherlands)	Multicolor Photometry of Faint Radio Selected Galaxies.
84/03/01	Mt. Wilson and Las Campanas Observatories (Pasadena, CA)	Multicolor Photometry of Faint Radio Selected Galaxies.
84/04/04	California Institute of Technology (Pasadena, CA)	Ultradeep Radio Surveys and the Nature of Faint Radio Galaxies.
84/06/08	Sterrewacht Leiden (Leiden, The Netherlands)	Observing at Palomar and Las Campanas.
84/07/03	Department of Terrestrial Magnetism (Washington, DC)	Ultradeep Radio Surveys and the Nature of Faint Radio Galaxies.
84/09/13	Astronomy Department, Univ. of California, (Berkeley, CA)	Ultradeep Radio Surveys and the Nature of Faint Radio Galaxies.
84/09/18	Astronomy Department, Univ. of California, (Berkeley, CA)	The Epoch Dependent Radio Luminosity Function of Galaxies. (seminar)
85/02/01	National Radio Astronomy Observatory (Socorro, NM)	The Nature of Faint Radio Sources.
85/02/04	California Institute of Technology (Pasadena, CA)	The Connection Between MicroJansky Radio Sources and IRAS Galaxies.
85/02/14	Kitt Peak National Observatory (Tucson, AZ)	The Cosmological Evolution of Radio Galaxy Populations.

APPENDIX 6. COLLOQUIA AND SEMINARS (continued)

Date	Institute	Title
85/05/01	Space Telescope Science Institute (Baltimore, MD)	Clues to Galaxy Formation from Deep Radio Surveys. (invited review)
85/05/07	Astronomy Department (Princeton, NJ)	Ultradeep Radio Surveys and the Nature of Faint Radio Galaxies.
85/05/08	National Radio Astronomy Observatory (Green Bank, WV)	Ultradeep Radio Surveys: How and Why?
85/05/09	National Radio Astronomy Observ. (Charlottesville, VA)	The Nature of Faint Radio Sources.
85/11/13	Raman Research Institute (Bangalore, India)	The Cosmological Evolution of Radio Sources.
85/11/14	Tata Institute of Fundamental Research (Bangalore, India)	The Spectral Evolution of Radio Galaxies.
85/11/15	Radio Astronomy Centre (Ootacamund, India)	Ultradeep Radio Surveys.
85/11/21	<i>XIX<sup>th</sup></i> General Assembly of the IAU (New Delhi, India)	Searching for Primeval Radio Galaxies. (invited review at Joint Discussion No. 4)
85/12/19	Sterrewacht Leiden (Leiden, The Netherlands)	Searching for Primeval Radio Galaxies.
86/01/08	Kapteyn Sterrewacht (Groningen, The Netherlands)	Searching for Primeval Radio Galaxies.
86/02/14	Astronomy Department, Univ. of California (Los Angeles, CA)	Searching for Primeval Radio Galaxies.
86/02/27	Physics Department, Univ. of California (Irvine, CA)	Searching for Primeval Radio Galaxies.
86/03/06	Mt. Wilson and Las Campanas Observatories (Pasadena, CA)	Searching for Primeval Radio Galaxies.
86/04/17	Physics Department, Arizona State University (Tempe, AZ)	Searching for Primeval Radio Galaxies.
86/10/02	Mt. Wilson and Las Campanas Observatories (Pasadena, CA)	Highlights of the Beijing IAU Symposium No. 124 on "Observational Cosmology."
87/02/27	Astronomy Department, Univ. of Wisconsin (Madison, WI)	Cosmology from Faint Radio Sources.
87/03/03	Physics Dept., Northwestern University (Evanston, IL)	Cosmology from Faint Radio Sources.
87/03/17	Astronomy Department, Univ. of Maryland (College Park, MD)	Cosmology from Faint Radio Sources.
87/03/24	Physics Department, Arizona State University (Tempe, AZ)	Cosmology from Faint Radio Sources.
87/06/11	Mt. Wilson and Las Campanas Observatories (Pasadena, AZ)	Four-shooter Folklore.
87/09/17	Sterrewacht Leiden (Leiden, The Netherlands)	Proto (?) Radio Galaxies.
87/10/21	Physics Department, Arizona State University (Tempe, AZ)	Radio Background Fluctuations. (seminar)

**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

Date	Institute	Title
87/11/06	Lowell and Naval Observatory (Flagstaff, AZ)	The Search for Radio Protogalaxies.
87/12/14	National Science Foundation (Washington, DC)	The Search for Radio Protogalaxies.
87/12/17	National Radio Astronomy Observ. (Charlottesville, VA)	The Nature and Evolution of Faint Radio Galaxies.
88/02/19	Steward Observatory Internal Symposium (Tucson, AZ)	Searching for Primeval Radio Galaxies (invited review)
88/03/21	Center for Solid State Science Arizona State Univ. (Tempe, AZ)	The Application of CCD Detectors and Image Processing to Astronomy.
89/05/03	Fourth International Conference on Supercomputing (St Clara, CA)	Future Prospects of Supercomputers in Observational Astronomy (invited review)
89/06/20	Astronomy Department, Univ. of California (Berkeley, CA)	Steep Spectrum Radio Sources and Very High Redshift Galaxies: Is Herc.202 an M87 at redshift of 2.390?
89/06/23	The Edwin Hubble Centennial Symposium (Berkeley, CA)	The Evolution of Weak Radio Galaxies at Radio and Optical Wavelengths (invited review)
89/08/10	Goddard Space Flight Center (Greenbelt, MD)	Herc.202, an M87 Look-alike at Redshift of 2.390?
90/02/27	VII <sup>th</sup> Steward Observatory Internal Symposium (Tucson, AZ)	Herc.202, an M87 Look-alike at Redshift of 2.390?
90/03/23	National Radio astronomy Observatory (Socorro, NM)	The Evolution of Weak Radio Galaxies at Radio and Optical Wavelengths
90/07/19	Sterrewacht (Leiden, The Netherlands)	What Else Can We Learn From Deep Radio Surveys?
90/08/10	Kapteyn Laboratorium (Groningen, The Netherlands)	Herc202, a Truly Primeval Radio Galaxy at $z=2.390$ ?
90/08/16	Royal Observatory (Edinburg, Scotland)	The Galaxy Two-point Correlation Function Down to $V=26$ mag on 0.5 Degree Scales
90/08/17	Royal Observatory (Edinburg, Scotland)	Herc202, a Truly Primeval Radio Galaxy at $z=2.390$ ?
90/09/27	Dept. of Physics and Astronomy Arizona State Univ. (Tempe, AZ)	Very Distant Radio Galaxies as Probes of the Early Universe
90/10/16	University of Maryland (College Park, MD)	The Galaxy Two-point Correlation Function Down to $V=26$ mag on 0.5 Degree Scales
90/11/09	New Mexico State University (Las Cruces, NM)	The UV Properties of Weak Radio Galaxies at High Redshifts
91/01/23	Aspen Cosmology Winter School (Aspen, CO)	The Galaxy Two-point Correlation Function Down to $V=26$ mag on 0.5 Degree Scales
91/03/26	National Radio Astronomy Obs. (Charlottesville, VA)	The Galaxy Two-point Correlation Function Down to $V=26$ mag on 0.5 Degree Scales
91/03/27	National Radio Astronomy Obs. (Charlottesville, VA)	Deconvolutions of Recent Hubble Space Telescope Images of Distant Galaxies
91/03/26	University of Virginia (Charlottesville, VA)	What Does a Real Protogalaxy Look Like?

APPENDIX 6. COLLOQUIA AND SEMINARS (continued)

Date	Institute	Title
91/09/19	Sterrewacht (Leiden, the Netherlands)	High Resolution Morphology of Distant Galaxies as Seen by HST
91/09/20	Kapteyn Laboratorium (Groningen, The Netherlands)	Limits to the Evolution of Galaxy Clustering from the Two-point Correlation Function down to V=26 mag.
92/03/05	NOAO (Tucson, AZ)	The Evolution of Galaxy Clustering from the Two-point Correlation Function down to V=26 mag.
92/06/30	ESO workshop: Science with HST (Sardinia, Italy)	HST/WFC Imaging of Distant Weak Radio Galaxies
92/09/22	Observational Cosmology Symp. (Milano, Italy)	Limits to the Evolution of Galaxy Clustering from the two-Point Correlation Function down to B=26 on 0.5° Scales
92/09/25	Observational Cosmology Symp. (Milano, Italy)	Micro-Jansky Radio Source Counts and Limits to Arcmin Scale CBR-Fluctuations at 8.4 GHz.
92/09/28	Universita di Padova (Padova, Italy)	Deep HST Imaging of Distant Early-type Radio and Field Galaxies
92/09/29	Kapteyn Laboratorium (Groningen, The Netherlands)	Deep HST Imaging of Distant Early-type Radio and Field Galaxies
93/01/04	Phoenix AAS Meeting (Phoenix, AZ)	The Most Distant Galaxies as Observed from the Ground and by HST (invited review at AAS Press Seminar)
93/02/05	STScI (Baltimore, MD)	What HST can do on Distant Galaxies
93/03/19	NRAO (Socorro, NM)	Recent Adventures with the Hubble Space Telescope
93/05/04	Linceo Workshop on formation of Elliptical Galaxies (Rome, Italy)	Deep HST Sub-kpc Imaging and UV-spectra of gE galaxies (and their Progenitors) at z=0.1–2.5 (invited review)
93/05/07	Universita di Bologna (Bologna, Italy)	Deep Sub-kpc Imaging and UV-spectroscopy with HST of gE Galaxies (and their Progenitors) at z=0.1–2.5
93/05/12	ESTEC Space Astronomy Symp. (Noordwijk, Netherlands)	Deep HST Imaging and Light-profiles of Radio and Field Galaxies at z=0.1–2.5
93/06/17	STScI (Baltimore, MD)	What HST Can and Will Do on Distant Galaxies (invited review at NASA Science Writers Workshop)
93/11/23	Formation of Quasars & Radio Galaxies workshop (Pasadena, CA)	What Do $\mu$ Jy Counts and HST Results Tell Us About Formation/Evolution of Radio Galaxies? (invited review)
93/12/17	Carnegie Observatories (Pasadena, CA)	Deep HST Imaging of Faint Radio and Field Galaxies
94/02/22	Johns Hopkins University (Baltimore, MD)	HST Imaging and Spectroscopy of Distant Radio Galaxies
94/03/03	STScI (Baltimore, MD)	Deep HST Imaging of Distant Radio and Field Galaxies
94/03/04	NRAO (Charlottesville, VA)	The $\theta$ -z Relation of HST Bulges and Disks out to z=0.8
94/09/16	Sterrewacht Leiden (Leiden, Netherlands)	Deep HST/WFPC2 Imaging of a Young Elliptical (Radio) Galaxy and its Surroundings at z=2.4
94/09/19	Max Planck Ringberg Workshop (Munich, Germany)	The $\theta$ -z Relation of HST Bulges and Disks out to z=0.8

**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

Date	Institute	Title
94/09/20	Max Planck Ringberg Workshop (Munich, Germany)	The Discovery of a possible Sunyaev-Zel'dovich decrement in the cosmic Background through a deep VLA/HST Survey
94/09/21	Max Planck Ringberg Workshop (Munich, Germany)	The Evolution of the Faint Galaxy Two-point Correlation Function and the Epoch-dependent Galaxy Merger Rate
94/09/22	Max Planck Ringberg Workshop (Munich, Germany)	High Resolution HST PC-imaging of a Young Elliptical (Radio) Galaxy and its Surroundings at $z=2.390$
94/09/23	Max Planck Ringberg Workshop (Munich, Germany)	The HST Morphology of Field Galaxies out to $z=0.8$ : Results from Deep HST Surveys in Cycle 4 (invited review)
94/11/17	Arizona State University (Tempe, AZ)	New Hubble Space Telescope Imaging of the Most Distant Galaxies
95/04/12	University of California (Santa Cruz, CA)	Ultradeep HST Imaging of Faint Radio and Field Galaxies
95/04/13	University of California (Berkeley, CA)	Ultradeep HST Imaging of Faint Radio and Field Galaxies
95/06/29	IAU Symp. 171: New Light on Galaxy Evolution (Heidelberg)	High Resolution HST PC-Imaging of a Young Elliptical (Radio) Galaxy and its Surrounding Cluster at $z=2.40$
96/02/08	Columbia University (New York, NY)	Deep HST Imaging of Faint Galaxies: Galaxy Formation from Compact Sub-galactic Clumps
96/02/09	Columbia University (New York, NY)	MicroJansky Radio Surveys with the VLA and the Nature of Faint Blue Radio Galaxies
96/03/08	NRAO (Socorro, NM)	The Hubble Deep Field and Other Deep HST Fields ("Russian Roulette" Lunch-talk)
96/04/09	Steward Observatory Internal Symposium (Tucson, AZ)	Recent Data from VATT, HST, and Keck: Did Mary Have A Little Lambda?
96/11/21	Sterrewacht (Leiden, The Netherlands)	Deep HST Imaging of Faint Field Galaxies: Galaxy Formation from Compact Sub-galactic Clumps
96/11/22	Sterrekundig Instituut (Utrecht, The Netherlands)	Deep HST Imaging of Faint Field Galaxies: Galaxy Formation from Compact Sub-galactic Clumps
96/11/25	Pontifical Academy (Vatican, Italy)	Deep HST Imaging of Faint Galaxies: Galaxy Formation from Compact Sub-galactic Clumps (invited review)
97/03/31	Steward Observatory Internal Symposium (Tucson, AZ)	Scraping the Barrel from Recent Deep HST fields: Variation in the M/L-ratio in Groups at $z \lesssim 2.5$
97/05/02	University of Maryland (College Park, MD)	A Systematic VATT U-band Survey of Nearby Galaxies to Classify Faint Galaxies from Deep HST surveys
97/05/04	University of Maryland (College Park, MD)	The HST/WFPC2 B-band galaxy counts as function of type for $19 \lesssim B_J \lesssim 29$ mag
97/05/07	STScI (Baltimore, MD)	Results from Parallel Surveys and Other Deep HST Surveys (invited review at the Hubble Deep Field Workshop)
97/10/13	Kapteyn Laboratorium (Groningen, The Netherlands)	Latest (HST) Clues on the Formation of (Elliptical) Galaxies
97/10/15	Royal Netherlands Academy of Sciences (Amsterdam, Netherl.)	Constraints on High Redshift Galaxies from Milli/MicroJansky Radio Sources (invited review)
97/11/14	New Mexico State University (Las Cruces, NM)	Deep HST Imaging of Faint Field Galaxies: Galaxy Formation from Sub-galactic Clumps?



APPENDIX 6. COLLOQUIA AND SEMINARS (continued)

Date	Institute	Title
98/01/27	University of Texas (Austin, TX)	Galaxy Formation from Sub-galactic Clumps?
98/03/04	University of Alabama (Tuscaloosa, AL)	Evolution of Extragalactic Radio Sources: Clues from Deep HST Images
98/03/13	Steward Observatory Internal Symposium (Tucson, AZ)	HST/NICMOS Imaging of Several Weak Radio Galaxies: Is That Bloody Radio Source Still Unidentified?
98/05/07	University of California (Berkeley, CA)	More on Galaxy Formation from Sub-Galactic Clumps
98/05/08	IGPP, Lawrence Livermore Natl. Laboratory (Livermore, CA)	Deep HST Imaging of Faint Field Galaxies: Galaxy Formation from Sub-Galactic Clumps
98/07/01	X <sup>th</sup> Rencontres de Blois Meeting on the Birth of Galaxies (France)	Evolution of the sub-mJy and microJy Radio Source Population
98/10/13	9th Annual October Conference: When Galaxies Were Young (MD)	Clues from Deep HST Images on Galaxy Formation and the Role of Mergers
99/03/01	Steward Observatory Internal Symposium (Tucson, AZ)	Living on the (Hydrogen-) Edge (of the Universe): Searching for Signatures from the Reionization Epoch
99/03/08	Large Binocular Telescope Optical Spectrographs (Columbus, OH)	Imaging with the LBT Spectrograph: Tracing Galaxy Formation at $5 \lesssim z \lesssim 9$ with Medium-Band Filters
99/04/07	NOAO Workshop on Large Wide- Field Telescopes (Tucson, AZ)	Very Wide-Field Imaging with the NSF Medium-Band Filter Set: Tracing Structure Formation at $z \gtrsim 5$
99/06/22	Workshop on The Hy-Redshift Universe (Berkeley, CA)	The Vigor of Radio Astronomy at Hy Age: On the Nature and Evolution of microJansky Radio Sources
99/09/18	New Millennium galaxy morphology (Johannesburg, South Africa)	Y2K-Compliant Galaxy Classifications: Young and Old Galaxies at High Redshift as Seen by HST
99/10/27	IPAC (Caltech) (Pasadena, CA)	Deep HST Imaging of Faint Radio Galaxies Young and Old Galaxies at High Redshift
00/10/11	European Southern Observatory (Garching, Germany)	Closing in on the Hydrogen Reionization Edge Signal at $z < 7.2$ with Deep STIS/CCD Parallels
00/10/18	Steward Observatory Internal Symposium (Tucson, AZ)	A walk in Hubble's amusement park, wearing Ultraviolet sun-glasses.
00/11/16	Goddard Space Flight Center (Greenbelt, MD)	Mid-UV HST/WFPC2 Imaging of Nearby Galaxies as Templates for High Redshift Galaxy Classifications.
00/11/17	National Radio Astronomy Obs. (Charlottesville, VA)	Mid-UV HST/WFPC2 Imaging of Nearby Galaxies as Templates for High Redshift Galaxy Classifications.
01/03/08	The Ohio State University (Columbus, OH)	Mid-UV HST/WFPC2 Imaging of Nearby Galaxies as Templates for High Redshift Galaxy Classifications.
01/03/22	Space Telescope Science Institute (Baltimore, MD)	Capabilities of the HST Wide Field Camera 3: A bright future for HST in 2003 and beyond
01/05/30	Steward Observatory, University of Arizona Tucson, AZ)	A mid-UV imaging survey of nearby galaxies
01/07/26	Space Telescope Science Institute (Baltimore, MD)	WFPC2 mid-UV imaging of nearby galaxies and what they would look like in deep NGST images at $z=2-15$
01/10/04	Harvard Smithsonian Center for Astrophysics (Cambridge, MA)	HST/WFPC2 mid-UV imaging of nearby galaxies and what they would look like in Deep NGST Images at $z=1-15$

**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

Date	Institute	Title
01/11/02	Steward Observatory Internal Symposium (Tucson, AZ)	To see or not to see, that's the question: NGST simulations at $z=1-15$ from HST mid-UV nearby galaxy images
01/11/29	van der Laan Symposium (Leiden, the Netherlands)	The Universe at nano-Jansky Levels
02/04/04	Arizona State University (Tempe, AZ)	Imaging Nearby Galaxies with Hubble in the mid-UV: Tools to Understand High-Redshift Galaxy Morphology.
02/07/02	Astronomical Society of Australia (Mollymook, NSW, Australia)	The Natural Confusion Limit as Expected for the Next Generation Space Telescope and the Square Kilometer Array
02/07/04	Australian National University (Canberra, ACT, Australia)	An HST mid-UV Survey of Nearby Galaxies: Tools to Understand High-Redshift Galaxy Morphology.
02/07/10	Australia Telescope Nat'l Facility (Epping, NSW, Australia)	An HST mid-UV survey of Nearby Galaxies: Tools to Understand High-Redshift Galaxy Morphology.
02/07/17	University of Sydney (Sydney, NSW, Australia)	Deep Surveys and the Expected Natural Confusion Limit for the NGST and the Square Kilometer Array.
02/07/19	Swinburne/Melbourne University (Melbourne, VIC, Australia)	An HST mid-UV Survey of Nearby Galaxies: Tools to Understand High-Redshift Galaxy Morphology.
02/07/22	University of New South Wales (Sydney, NSW, Australia)	An HST mid-UV Survey of Nearby Galaxies: Tools to Understand High-Redshift Galaxy Morphology.
02/07/23	Australia Telescope Nat'l Facility (Epping, NSW, Australia)	Deep Surveys and the Expected Natural Confusion Limit for the NGST and the Square Kilometer Array.
02/11/15	Lorentz Center Workshop (Leiden, the Netherlands)	Radio Source Populations at microJansky and nanoJy Levels and the Expected Natural Confusion Limit.
03/03/18	University of Arizona (Tucson, AZ)	Searching for $z \simeq 6$ Objects with the <i>HST</i> /Advanced Camera for Surveys: Analysis of a Deep Parallel Field.
03/06/20	Lorentz Center Workshop (Leiden, the Netherlands)	The Smoking Gun of Reionization — Who's Dunit: Dwarf Galaxies or Active Galactic Nuclei?
03/06/30	University of Groningen (Groningen, the Netherlands)	Constraints to the Luminosity Function at $z=6$ and the Likely Culprits of Reionization.
03/06/30	University of Groningen (Groningen, the Netherlands)	An HST mid-UV Survey of Nearby Galaxies: Quantitative Tools to Understand High-Redshift Galaxy Structure.
03/07/01	Radiosterrewacht Dwingeloo (Dwingeloo, the Netherlands)	The Smoking Gun of Reionization — Who's Dunit: Dwarf Galaxies or AGN?
03/07/02	University of Leiden (Leiden, the Netherlands)	Constraints to the Luminosity Function at $z=6$ and the Likely Culprits of Reionization.
03/07/04	University of Leiden (Leiden, the Netherlands)	The Natural Confusion limit for the James Webb Space Telescope and for the Square Kilometer Array.
03/07/10	University of Leiden (Leiden, the Netherlands)	An HST mid-UV Survey of Nearby Galaxies: Quantitative Tools to Understand High-Redshift Galaxy Structure.
03/10/03	Goddard Space Flight Center (Greenbelt, MD)	The James Webb Space Telescope — How Exactly Will it Measure First Light, Reionization, and Galaxy Assembly?
03/10/06	University of Arizona (Tucson, AZ)	The Smoking Gun of Reionization — Who's Dunit: Dwarf Galaxies or Active Galactic Nuclei?
04/06/07	Bakubung Conference Center (Sun City, South Africa)	How can the James Webb Space Telescope Measure First Light, Reionization and Galaxy Assembly?

**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

Date	Institute	Title
04/06/10	Bakubung Conference Center (Sun City, South Africa)	HST imaging of nearby galaxies in the mid-UV and near-IR: A synoptic View of Galaxy Structure
04/07/29	Space Telescope Science Institute (Baltimore, MD)	A study of Tadpole Galaxies and Variable Objects in the Hubble Ultra Deep Field.
04/08/03	Harvard Center for Astrophysics (Cambridge, MA)	A study of Tadpole Galaxies and Variable Objects in the Hubble Ultra Deep Field.
04/08/25	Sterrewacht (Leiden, The Netherlands)	A study of of Galaxy Assembly and Black Hole Growth in the Hubble Ultra Deep Field.
04/10/06	JWST Mtg/Astrium Aerospace (Ottobrun, Germany)	A study of of Galaxy Assembly and Black Hole Growth in the Hubble Ultra Deep Field.
04/12/01	Arizona/Heidelberg Symposium (Tucson, AZ)	A study of of Galaxy Assembly and Black Hole Growth in the Hubble Ultra Deep Field.
05/04/06	Geology/Arizona State University (Tempe, AZ)	Big Universe — Large Telescopes
05/05/19	First Light/Reionization workshop (UC Irvine, CA)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
05/05/20	First Light/Reionization workshop (UC Irvine, CA)	The Generation-X Vision Mission: The Next Generation X-ray Space Telescope
05/06/15	Royal Observ./JWST SWG mtg (Edinburgh, Scotland)	How will the JWST short wavelength performance affect faint galaxy parameters?
05/06/16	Royal Observatory (Edinburgh, Scotland)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
05/08/10	Geological Society of America (Calgary, Canada)	Studying First Light and the Cosmic Dark Ages from beyond the Earth
05/08/26	Lorentz Center Workshop (Leiden, the Netherlands)	Did AGN Growth and Galaxy Assembly Go Hand-in-hand?
05/09/07	Palm Grant Proposal Review (Banner Health, Phoenix, AZ)	Using Hubble Space Telescope Galaxy Classification Software to Find Diabetic Type 2 in an Early Stage
05/10/22	DESTINY Meeting/NASA GSFC (Greenbelt, MD)	The Epoch-Dependent Merger Rate: Another path to $w$ with DESTINY?
06/03/31	Dept. of Physics & Astronomy (ASU, Tempe)	The James Webb Space Telescope: How can it measure First Light, Reionization, and Galaxy Assembly?
06/04/21	East Valley Astronomy Club (Gilbert, AZ)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
06/05/12	Space Telescope Science Institute (Baltimore, MD)	The Case for Early Release Science WFC3 programs: Map Reionization at $z \lesssim 8-9$ and Galaxy Assembly at $z \lesssim 5$
06/06/13	Lowell Observatory (Flagstaff, AZ)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
06/07/17	26 <sup>th</sup> COSPAR Scientific Assembly (Beijing, China)	High Resolution Observations of High Redshift Galaxies
06/07/18	Beijing Astronomical Observatory (Beijing, China)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
06/07/20	Beijing Univ./Astrophysics Center (Beijing, China)	HST imaging of nearby galaxies in the mid-UV and near-IR: Benchmarks for High Redshift Galaxy Classifications

**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

---

Date	Institute	Title
06/10/25	NRAO (Charlottesville, VA)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
06/11/16	University of California (Davis, CA)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
07/02/05	University of Colorado (Boulder, CO)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
07/02/26	University of California (Riverside, CA)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
07/04/12	University of California (Riverside, CA)	Did Galaxy Assembly and Supermassive Black-Hole Growth go Hand in Hand?
07/04/17	Carnegie Observatories/Caltech (Pasadena, CA)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
07/05/04	University of Minnesota (Minneapolis, MN)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
07/05/17	University of Washington (Seattle, WA)	Galaxy Assembly and Supermassive Black Hole Growth: Did they go hand-in-hand and which Ended Reionization?
07/07/10	Spirit of the Senses Art & Science Salon (Phoenix, AZ)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
07/07/25	University of California (Irvine, CA)	Synergy between the Thirty Meter Telescope and the James Webb Space Telescope: When $1 + 1 > 2$
07/08/30	Palm Grant Proposal Review (Banner Health, Phoenix, AZ)	Using Hubble Space Telescope Galaxy Classification Software to Find Diabetic Type 2 in an Early Stage
08/01/28	Oxford University (Oxford, UK)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
08/02/03	Arecibo Radio Observatory (Arecibo, Puerto Rico)	GiGa: The Billion Galaxy Survey — the Future of HI Surveys with the Square Kilometer Array
08/03/12	University of California (Los Angeles, CA)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
08/06/16	Southern Cross Astrophys. Conf. (Blue Mountains, Sydney, OZ)	When during Galaxy Assembly did AGN Growth take place, and which Ended Reionization?
08/06/18	University of Sydney (Sydney, NSW, Australia)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
08/07/01	University of Edinburgh (Scotland, UK)	When during Galaxy Assembly did AGN Growth take place, and which Ended Reionization?
08/07/03	University of St. Andrews (Scotland, UK)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
08/07/11	Kavli Reionization Workshop (Beijing, China)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
08/07/12	Beijing Univ/Astrophysics Center (Beijing, China)	When during Galaxy Assembly did AGN Growth take place, and which Ended Reionization?
08/11/21	Great Surveys in Astrophysics Workshop (Santa Fe, NM)	High-Precision Galaxy Surveys & Catalogs: JWST & Beyond

---

**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

Date	Institute	Title
08/12/17	Next Decade's Radio Astronomy Workshop (NRAO, Socorro, NM)	Future Key Projects on the Extended-VLA: Synergy with other Missions & Projects (led panel discussion)
09/03/03	ASU Cosmology Initiative (Tempe, AZ)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
09/03/11	Royal Netherlands Embassy Public Lecture Series (Washington DC)	Unraveling the Distant Universe with the NASA/ESA Hubble and James Webb Space Telescopes
09/04/04	ASU Origins Symposium (Cave Creek, AZ)	The James Webb Space Telescope and its Promise: What JWST will do after Hubble — when $1+1 \gg 2$ .
09/06/04	University of Alabama (Tuscaloosa, AL)	How can the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
09/09/09	Arizona State University (Tempe, AZ; Guest lecture)	First Results from the new Hubble Space Telescope Wide Field Camera 3: Panchromatic Astronomy
09/11/18	Wide Field Camera 3 Science Meeting (STScI, Baltimore)	The WFC3 ERS data: Panchromatic Faint Object Counts from 0.2–2 microns wavelength to $AB \approx 26-27$ mag
09/12/17	ESF Conference "The Origin of Galaxies" (Oberurgl, Austria)	How JWST will measure First Light, Reionization, and Galaxy Assembly — and a preview from HST/WFC3
10/01/05	American Astronomical Society Press Talk (Washington DC)	The New Hubble Wide Field Camera 3 Early Release Science (ERS) images
10/02/08	Aspen Workshop on "The High Redshift Universe" (Aspen, CO)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post WMAP-7 and WFC3 era?
10/03/08	Austin Workshop on "First Stars and Galaxies" (Austin, TX)	When during galaxy assembly did SMBH growth take place? What has WFC3 done on AGN, & what will JWST do?
10/03/12	Arizona Imaging & Microanalysis Society Conference (Tempe, AZ)	Deep NASA Hubble Space Telescope Image Analysis, and its Applications to Medical Imaging
10/03/26	Irvine Workshop on "The View from 5 AU" (UC Irvine, CA)	The Era of JWST: Measuring First Light, Reionization, and Galaxy Assembly from the L2 Zodi Environment
10/06/02	Workshop on Galaxy/Black Hole Co-Evolution (Hangzhou, China)	Observing AGN Growth with HST and JWST: When during Galaxy Assembly did AGN Growth take place?
10/09/22	ASU Earth & Space Exploration (Tempe, AZ)	How will the James Webb Space Telescope measure First Light, Reionization, and Galaxy Assembly?
10/09/23	Aperio Enterprises Meeting ASU Skysong (Scottsdale, AZ)	Using Hubble Object Finding Software to Measure Cancer Cells Spreading and Diabetes Type 2 Markers
10/10/05	Lunar Robotic Science workshop (Boulder, CO)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post WMAP-7 and WFC3 era?
10/10/22	Saguaro Astronomy Club (Phoenix, AZ)	Unraveling the Distant Universe with the NASA Hubble and James Webb Space Telescopes
10/11/10	University of Hawaii (Honolulu, HI)	Observing AGN Growth with HST and JWST: When during Galaxy Assembly did AGN Growth take place?
10/12/02	University of California (Berkeley, CA)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post WMAP-7 and WFC3 era?
11/01/12	American Astronomical Society Press Talk (Washington DC)	Are JWST Surveys of the First Light Epoch Limited by Instrumental, Natural, or "Gravitational" Confusion?

**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

Date	Institute	Title
11/02/28	University of Kansas (Lawrence, KS)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post Hubble WFC3 era?
11/03/01	University of Kansas (Lawrence, KS)	Observing AGN Growth with HST and JWST: When during Galaxy Assembly did AGN Growth take place?
11/03/07	New Worlds, New Horizons Workshop (Santa Fe, NM)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post Hubble WFC3 era?
11/04/15	Ohio University (Athens, OH)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post Hubble WFC3 era?
11/05/20	University of California (Davis, CA)	How do we launch JWST to measure First Light, Reionization, Galaxy Assembly, minimizing impact on NASA Space Science?
11/06/07	"Frontier Science Opportunities with JWST" (Baltimore, MD)	Are JWST Surveys of the First Light Epoch Limited by Instrumental, Natural, or "Gravitational" Confusion?
11/06/27	Workshop on the First Galaxies (Ringberg, Bavaria, Germany)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post Hubble WFC3 era?
11/07/01	Max Planck Institut für Astro- physics (Garching, Germany)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post Hubble WFC3 era?
11/08/08	Santa Cruz Galaxy Workshop (UC Santa Cruz, CA)	Koo-I Panchromatic Astronomy: Past, Present, and Future
11/08/24	ASU Earth & Space Exploration Grad Students (Tempe, AZ)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post Hubble WFC3 era?
11/09/03	Public Talk at Camp SESE Camp Tontozona (Payson, AZ)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post Hubble WFC3 era?
11/09/06	ASU Earth & Space Exploration AST 111 class (Tempe, AZ)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post Hubble WFC3 era?
11/09/07	ASU Cosmology Initiative Invited Seminar (Tempe, AZ)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post Hubble WFC3 era?
11/09/12	High Redshift Galaxy Evolution Workshop (Potsdam, Germany)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post Hubble WFC3 era?
11/09/13	High Redshift Galaxy Evolution Workshop (Potsdam, Germany)	Recent Programmatic and Political Developments in the James Webb Space Telescope Project (lead discussion forum)
11/09/30	AZ Museum for Natural History (Mesa, AZ)	NASA's James Webb Space Telescope (JWST): The new Frontier in the Cosmos after Hubble
11/10/06	Talk to "SEDS" Students (ASU, Tempe, AZ)	Images from Space with the Hubble Space Telescope, and in future with the James Webb Space Telescope
11/10/07	Saguaro Astronomy Club (Gilbert, AZ)	NASA's James Webb Space Telescope (JWST): The new Frontier in the Cosmos after Hubble
11/10/21	East Valley Astronomy Club (Phoenix, AZ)	NASA's James Webb Space Telescope (JWST): The new Frontier in the Cosmos after Hubble
11/11/10	Universidad Complutense de Madrid (Madrid, Spain)	How will JWST measure First Light, Reionization, and Galaxy Assembly in the post Hubble WFC3 era?
11/11/18	Spirit of the Senses Art & Science Salon (Phoenix, AZ)	NASA's James Webb Space Telescope (JWST): The new Frontier in the Cosmos after Hubble

**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

Date	Institute	Title
11/12/01	Science Circle of Arizona ASU (Tempe, AZ)	NASA's James Webb Space Telescope (JWST): The new Frontier in the Cosmos after Hubble
11/12/08	Sante Ventures Meeting ASI Skysong (Scottsdale, AZ)	Deep NASA Hubble Space Telescope Image Analysis, and Object Recognition Algorithms for Histology
12/01/19	STEMnet Teacher Workshop (ASU, Tempe, AZ)	NASA's James Webb Space Telescope (JWST): The new Frontier in the Cosmos after Hubble
12/03/30	ASU Open House Public Talk (ASU, Tempe, AZ)	NASA's James Webb Space Telescope (JWST): The new Frontier in the Cosmos after Hubble
12/04/09	University of California (Los Angeles, CA)	How will JWST measure First Light, Reionization, and Galaxy Assembly?: Science & Project Update as of 2012
12/04/10	Northrop Grumman Corp. (Redondo Beach; invited review)	How will JWST measure First Light and Galaxy Assembly: The new Frontier in the Cosmos after Hubble
12/04/11	IPAC/Caltech (Pasadena, CA)	How will JWST measure First Light, Reionization, and Galaxy Assembly?: Science & Project Update as of 2012
12/04/12	Jet Propulsion Laboratory (Pasadena, CA)	How will JWST measure First Light, Reionization, and Galaxy Assembly?: Science & Project Update as of 2012
12/04/26	AST 422 Cosmology class (ASU, Tempe, AZ)	How will JWST measure First Light and Galaxy Assembly: The new Frontier in the Cosmos after Hubble
12/05/03	Phoenix Astronomical Society (Paradise Valley, AZ)	How will JWST measure First Light and Galaxy Assembly: The new Frontier in the Cosmos after Hubble
12/05/18	East Valley Astronomy Club (Gilbert, AZ)	How will JWST measure First Light, Reionization, and Galaxy Assembly?: Science & Project Update as of 2012
12/07/09	Goddard Space Flight Center (Greenbelt, MD)	How will JWST measure First Light, Galaxy Assembly & Supermassive Black-Hole Growth: New Frontier after Hubble
12/07/19	ASU Nanotechnology Cluster (Tempe, AZ)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
12/07/27	ASU CLAS Freshman Class (Tempe, AZ)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
12/08/28	28 <sup>th</sup> IAU General Assembly (Beijing, China; invited review)	How JWST can measure First Light, Reionization, and Galaxy Assembly: Science & Project Update as of 2012
12/10/07	Exploring the Dark Universe: L. Z. Fang Workshop (UofA)	L.Z. Fang's astrophysics & China: Musings on First Light, Galaxy Assembly & Supermassive Blackhole Growth
13/01/08	221 <sup>st</sup> AAS Meeting; UV session (Long Beach, CA; invited review)	Hubble's Survey of the Ultraviolet Universe: Panchromatic Extragalactic Research ("SUPER")
13/03/18	ASU LOFAR Research Group (Tempe, AZ; invited seminar)	Observing AGN growth in radio, X-rays, with HST & JWST: When during galaxy assembly did AGN growth take place?
13/03/19	Spirit of the Senses (Tempe, AZ; invited public talk)	The best of Hubble, and what the James Webb Space Telescope will do after 2018
13/05/17	East Valley Astronomy Club (Gilbert, AZ; invited public talk)	The best of Hubble, and what the James Webb Space Telescope will do after 2018
13/05/19	U. of Nevada Graduation speech (Reno, NV; invited public talk)	Future careers at NASA: The best of Hubble, and what the James Webb Space Telescope will do after 2018

**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

Date	Institute	Title
13/06/10	Astronomy and Society Workshop (Leiden NL; panel discussion)	Lessons learned from JWST: What is required to make Mega-Science Projects succeed?
13/06/11	Astronomy and Society Workshop (Leiden, NL; invited review)	Lessons learned from JWST: What is required to make Mega-Science Projects succeed?
13/06/12	Kavli Workshop: Cosmology in the Era of ELT's (Chicago, IL)	Galaxy Assembly and AGN Growth with the Hubble WFC3 and with the James Webb Space Telescope
13/06/27	Australian National University (Canberra, ACT, Australia)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
13/07/01	Public Talk, Sydney Observatory (Sydney, NSW, Australia)	The best of Hubble, and what the James Webb Space Telescope will do after 2018
13/07/04	Macquarie University (Macquarie, NSW, Australia)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
13/07/12	Astronomical Soc. of Australia (Monash, VIC, Australia; review)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
13/07/18	CAASTRO First Light Workshop (Uluru, NT, Australia; invited)	Current and Future studies of First Light & Reionization: The James Webb Space Telescope and beyond
13/07/22	Swinburne Univ. of Technology (Hawthorne, VIC, Australia)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
13/07/23	The University of Melbourne (Melbourne, VIC, Australia)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
13/07/25	ICRAR/U. of Western Australia (Crawley, WA, Australia)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
13/07/26	ICRAR/Curtin University (Perth, WA, Australia)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
13/07/29	University of Sydney (Sydney, NSW, Australia)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
13/07/30	Australian Astronomical Observ. (North Ryde, NSW, Australia)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
13/07/31	Australian Astronomical Observ. (North Ryde, NSW, Australia)	Lessons learned from JWST: What is required to make Mega-Science Projects succeed?
13/07/31	Australian Telescope Nat'l Facility (Epping, NSW, Australia)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
13/09/07	Public Talk at Camp SESE Camp Tontozona (Payson, AZ)	The best of Hubble, and what the James Webb Space Telescope will do after 2018.
13/09/18	ASU Earth & Space Exploration SESE Colloquium (Tempe, AZ)	The best of Hubble's Wide Field Camera 3, & what the James Webb Space Telescope will do after 2018.
13/11/02	ASU Earth & Space Exploration Day (Public Talk; Tempe, AZ)	The best of Hubble, and what the James Webb Space Telescope will do after 2018.
13/11/09	SpaceVision 2013: Exploration & Development of Space (Tempe)	The best of Hubble, and what the James Webb Space Telescope will do after 2018.
14/02/01	Origins Workshop: "Is Our Universe Necessary?" (ASU, Tempe)	The James Webb Space Telescope and First Light: Project Update, What to Expect and How to Prepare?



**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

Date	Institute	Title
14/02/03	Visit of Astronaut Story Musgrave (SESE public event, ASU, Tempe)	Thank you, Story Musgrave, for fixing Hubble so well for us in Dec. 1993!
14/03/11	Osservatorio Astronomico di Roma (Rome, Italy)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: Project Update as of 2014
14/03/11	Physics Dept., Rome University (Rome, Italy)	Beyond HST: From Exoplanets to First Stars with the James Webb Space Telescope
14/03/13	Rockwell Collins Deutschland (Wieblingen, Germany)	How will the Webb Telescope measure First Light and Galaxy Assembly: The new Frontier after Hubble
14/03/14	Max Planck Inst./Landessternwarte (Heidelberg, Germany)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: Project Update as of 2014
14/05/02	AST 394 Undergraduate Seminar (ASU, Tempe, AZ)	How will the Webb Telescope measure First Light and Galaxy Assembly: The new Frontier after Hubble
14/05/07	"ATLAST" Seminar Series, NASA GSFC (Greenbelt, MD)	Lessons from the James Webb Space Telescope: What is required to make Mega-Science Projects succeed?
14/06/02	NASA COPAG Science Analysis Gr. 224 <sup>st</sup> AAS mtg (Boston, MA)	Hubble's Imaging Surveys of the Ultraviolet Universe: Panchromatic Extragalactic Research
14/07/25	18 <sup>th</sup> Paris Cosmology Colloquium Observatoire de Paris (France)	How will JWST measure First Light, Galaxy Assembly & SMBH Growth: New Frontier after HST
14/08/07	JWST Guaranteed Observing Time Workshop (STScI, Baltimore, MD)	Strategies to Observe First Light & $z \gtrsim 6$ Quasar Host Galaxies with JWST
14/08/07	JWST Guaranteed Observing Time Workshop (STScI, Baltimore, MD)	Strategies to Observe First Light with JWST
14/08/07	JWST Guaranteed Observing Time Workshop (STScI, Baltimore, MD)	High Redshift AGN and Their Host Galaxies: PSF-subtraction, Coronagraphy(?) & SED-fitting
14/08/14	SESE Faculty Retreat (ASU, Tempe, AZ)	Big Telescope Projects in SESE — Past, Present & Future: The Case for the Giant Magellan Telescope
14/08/27	Visit of Astronaut Jeff Hoffman (SESE public event, ASU, Tempe)	Thank you, Jeff Hoffman, for fixing Hubble so well for us in Dec. 1993!
14/09/10	Inst. of Theoretical Astrophysics Univ. of Oslo (Oslo, Norway)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
14/10/16	Gheens Science Hall & Planetarium (Bullitt Lecture; U. Louisville; KY)	Beyond Hubble: From Exoplanets to First Stars with the James Webb Space Telescope
14/10/17	Dept of Physics & Astronomy (Univ. Louisville; Louisville, KY)	How will JWST measure First Light, Galaxy Assembly, & Supermassive Blackhole Growth: New Frontier after Hubble
14/11/13	Hubble Frontier Fields Workshop (Yale University; New Haven, CT)	Strategies to Observe First Light with JWST: How can we best use Lensing after 2018?
14/12/11	Sterrewacht, Univ. of Leiden (Leiden, The Netherlands)	Strategies to Observe First Light with JWST: How can we best use Lensing after 2018?
15/01/16	AST 394 Undergraduate Seminar (ASU, Tempe, AZ)	How will JWST measure First Light, Galaxy Assembly & Supermassive Blackhole Growth: New Frontiers after Hubble
15/02/19	ASU Physics (w/ P. Maukopf) (ASU, Tempe, AZ)	What Do the 2015 Planck Collaboration Polarization Results Imply for James Webb Space Telescope First Light Surveys?

**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

Date	Institute	Title
15/03/02	National Radio Astronomy Observ. (Socorro, NM)	How can the Webb Space Telescope Measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST
15/04/22	Massachusetts Inst. of Technology (Cambridge, MA)	How will the Webb Space Telescope measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST
15/04/23	Astron.Dept., Princeton University (Princeton, NJ)	How will the Webb Space Telescope measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST
15/04/27	Harvard Center for Astrophysics (Cambridge, MA)	How will the Webb Space Telescope measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST
15/05/17	Physics Dept., Tel Aviv University (Tel Aviv, Israel)	How will the Webb Space Telescope measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST
15/05/19	Racah Institute, Hebrew University (Jerusalem, Israel)	How will the Webb Space Telescope measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST
15/05/20	Weizmann Institute of Science (Rehovot, Israel)	How will the Webb Space Telescope measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST
15/05/21	Technion Institute of Technology (Haifa, Israel)	How will the Webb Space Telescope measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST
15/05/25	Astronomy Dept., Tel Aviv Univ. (Tel Aviv, Israel)	HST Observations of Lyman Continuum from Galaxies and AGN at $2.3 \lesssim z \lesssim 5$ : (How) Did they Reionize the Universe?
15/05/27	Physics Dept., Ben-Gurion Univ. (Beer Sheva, Israel)	How will the Webb Space Telescope measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST
15/06/04	CET Reionization Workshop (Kruger Gate; South Africa)	HST Observations of Lyman Continuum from Galaxies and AGN at $2.3 \lesssim z \lesssim 5$ : (How) Did they Reionize the Universe?
15/09/12	Welcome Talk to SESE Undergrads Camp Tontozona (Payson, AZ)	How will the Webb Space Telescope measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST
15/10/12	ESA/ESTEC JWST Workshop (Noordwijk, the Netherlands)	HST Observations of Lyman Continuum from Galaxies and AGN at $2.3 \lesssim z \lesssim 5$ : (How) Did they Reionize the Universe?
15/11/16	Astrobiology Class (Montana State, Bozeman, MT)	How will the Webb Space Telescope measure Exoplanets, First Light, & Galaxy Assembly: New Frontier after HST
15/12/07	Lagrange "First Light" Conference (Inst. d'Astrophys., Paris, France)	HST Observations of Lyman Continuum from Galaxies and AGN at $2.3 \lesssim z \lesssim 5$ : (How) Did they Reionize the Universe?
15/12/09	Lagrange "First Light" Conference (Plenary talk; IAp, Paris, France)	Lessons learned from JWST and HST that may help with WFIRST and other future big space missions
15/12/11	Centre d'Études de Saclay (Gif sur Yvette, France)	How will the Webb Space Telescope measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST
16/02/25	SPHEREx Community Workshop (Caltech, Pasadena, CA)	JWST Synergies with SPHEREx, and How to Exploit them
16/03/03	Friends-of-Gravity Public Lecture (ASU, Tempe, AZ)	LIGO Discovery of Gravitational Waves: What does it mean for (Super-Massive) Black-Hole Growth in Astrophysics?
16/04/22	ASU Physics Colloquium (ASU, Tempe, AZ)	How can the Webb Space Telescope Measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST
16/04/23	ASU SESE Undergraduate Seminar (ASU, Tempe, AZ)	How can the Webb Space Telescope Measure First Light, Reionization, & Galaxy Assembly: New Frontier after HST

**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

Date	Institute	Title
16/05/12	Far-IR Surveyor STDT Meeting (NASA, GSFC; Greenbelt, MD)	Lessons learned from JWST and HST that may help with the Far-IR Surveyor (FIRS) Mission
16/05/17	JWST Guaranteed Observing Time Workshop (Victoria, BC; Canada)	Strategies to Observe First Light with JWST
16/05/17	JWST Guaranteed Observing Time Workshop (Victoria, BC; Canada)	High Redshift AGN and Their Host Galaxies: PSF-subtraction, Coronagraphy, & SED-fitting
16/06/01	Spirit of the Senses (Science Salon; Scottsdale, AZ)	The Search for First Light: James Webb Space Telescope Hardware Update 2016
16/06/14	Kavli "Cold Universe" Workshop (UC Santa Barbara, CA)	The Search for First Light: Hardware Update on the James Webb Space Telescope, 2016
16/06/15	Kavli "Cold Universe" Workshop (UC Santa Barbara, CA)	Lessons learned from JWST and HST that may help with future ground-based facilities and big space missions
16/06/27	Dept. of Physics Colloquium (University of Oxford, UK)	The Search for First Light: Hardware Update on the James Webb Space Telescope, 2016
16/06/29	Institute of Advanced Study (Durham University, UK)	The Search for First Light: Hardware Update on the James Webb Space Telescope, 2016
16/06/30	Dept. of Physics and Astronomy (University College London, UK)	The Search for First Light: Hardware Update on the James Webb Space Telescope, 2016
16/07/07	JWST Workshop - Royal Observ. (Edinburgh, Scotland)	"How will the Community use JWST?" (Lead of Concluding Discussion)
16/08/04	NRAO Workshop "Future of Radio Astronomy" (Baltimore, MD)	Radio Astronomy in the Next Decade and Beyond (Lead of Panel Discussion)
16/09/10	Welcome Talk to SESE Undergrads Camp Tontozona (Payson, AZ)	How can the Webb Space Telescope Measure First Light, Reionization, & Galaxy Assembly: Hardware Update 2016
16/09/30	Phoenix Astronomy Club (Paradise Valley, AZ)	How can the Webb Space Telescope Measure First Light, Reionization, & Galaxy Assembly: Hardware Update 2016
16/10/08	van der Laan 80 <sup>th</sup> Symposium (Sterrewacht Leiden; Netherlands)	From Westerbork to the Webb Telescope: 40 years of Cosmic Starformation & Supermassive Blackhole Growth
16/10/28	JWST Workshop - U. de Montreal (Univ. of Montreal; Canada)	How will we use JWST GTO time? (Lead GTO team meeting)
16/11/17	Astrobiology Class (Montana State, Bozeman, MT)	How will the Webb Space Telescope measure Exoplanets, First Light, & Galaxy Assembly: New Frontier after HST
17/04/26	"Lifecycle of Metals" Symposium (STScI; Baltimore, MD)	The Need for High-Fidelity, Deep Ultraviolet Space Imaging in the JWST Era
17/04/28	ASU SESE Undergraduate Seminar (ASU, Tempe, AZ)	How will the Webb Space Telescope measure Exoplanets, First Light, & Galaxy Assembly: New Frontier after HST
17/05/01	JWST Science Working Group (STScI; Baltimore, MD)	Lessons Learned from JWST APT on our IDS GTO Webb Medium Deep Fields (WMDF)
17/05/19	East Valley Astronomy Club (Gilbert, AZ)	How will the Webb Space Telescope measure Exoplanets, First Light, & Galaxy Assembly: New Frontier after HST
17/07/03	Kapteyn Astronomical Institute, (Univ. of Groningen; Netherlands)	The Search for First Light: Hardware Update on the James Webb Space Telescope, 2017

**APPENDIX 6. COLLOQUIA AND SEMINARS (continued)**

---

Date	Institute	Title
17/07/04	Kapteyn Astronomical Institute (Univ. of Groningen; Netherlands)	Lessons learned from JWST and HST that may help with future ground-based facilities and big space missions
17/07/07	Radiosterrewacht Symposium (Dwingeloo; The Netherlands)	Deep Surveys with the Westerbork Synthesis Radio Telescope: Cosmic Star Formation & Supermassive Blackhole Growth
17/09/09	Welcome Talk to SESE Undergrads Camp Tontozona (Payson, AZ)	How can the Webb Space Telescope Measure First Light, Reionization, & Galaxy Assembly: Hardware Update 2017
17/09/27	Space Exploration Students Club ASU (Tempe, AZ)	How can the Webb Space Telescope Measure First Light, Reionization, & Galaxy Assembly: Hardware Update 2017
17/10/06	Saguaro Astronomy Club Phoenix (AZ)	How can the Webb Space Telescope Measure First Light, Reionization, & Galaxy Assembly: Hardware Update 2017
17/10/26	Giant Magellan Telescope Org. Pasadena, (CA)	The Search for First Light: Hardware Update on the James Webb Space Telescope, 2017
17/11/16	Astrobiology Class (Montana State, Bozeman, MT)	How will the Webb Space Telescope measure Exoplanets, First Light, & Galaxy Assembly: New Frontier after HST
17/11/30	Discovery Lecture Series (Public Talk at ASU, Tempe, AZ)	The Search for First Light: New Telescopes that will Expand Hubble's Frontier

---

Almost all my recent talks can be found on: <http://www.asu.edu/clas/hst/www/jwst/> or on:  
<http://www.asu.edu/clas/hst/www/jwst/jwsttalks/> or:  
<http://www.asu.edu/clas/hst/www/jwst/othertalks/>