

# DIAL-M-POMC 2007 Workshop Program

Thursday, August 16, 2007	
7:45 am to 8:30 am	Breakfast & Registration
8:30 am to 8:40 am	Opening Remarks: Torsten Braun and Arun Sen, Program Co-Chairs
8:40 am to 9:40 am	Keynote Address: <i>Distributed Computing, Mobile Networks, and Algorithms</i> <b>Baruch Awerbuch (Johns Hopkins University)</b>
9:40 am to 10:40 am	<b>Session 1: Sensor Networks</b> , Chair: Torsten Braun <ul style="list-style-type: none"> <li>❖ <i>Backbone-based Scheduling for Data Dissemination in Wireless Sensor Networks with Mobile Sinks</i> Yu Chen and Eric Fleury (ARES/INRIA, INSA de Lyon, France)</li> <li>❖ <i>Extending Wireless Sensor Networks Lifetime using Disjoint Connected Dominating Sets</i> Trac Nguyen and Dung Huynh (University of Texas at Dallas, USA)</li> <li>❖ <i>Multiple Sink Positioning in Sensor Networks</i> Shahab Mihandoust and Lata Narayanan (Concordia University, Canada)</li> </ul>
10:40 am to 11:00 am	Break
11:00 am to 11:40 am	<b>Invited Talk I:</b> Madhav Marathe (Virginia Tech), Session Chair: Arun Sen <i>Provable Algorithms for Joint Optimization of Transport, Routing and MAC layers in Wireless Ad Hoc Networks</i>
11:40 am to 12:20 pm	<b>Invited Talk II:</b> Ravi Jain (Google) Session Chair: Arun Sen
12:20 pm to 1:20 pm	Lunch Break
1:20 pm to 2:00 pm	<b>Invited Talk III:</b> Tim Roughgarden (Stanford University), Session Chair: Jennifer Welch <i>Measures of Inefficiency and Optimal Protocol Design</i>
2:00 pm to 2:40 pm	<b>Invited Talk IV:</b> Kamal Jain (Microsoft Research), Session Chair: Jennifer Welch <i>Cell Breathing in Wireless LANs: Algorithms for load balancing</i>
2:40 pm to 3:40 pm	<b>Session 2: Wireless Networks I</b> , Session Chair: Jennifer Welch <ul style="list-style-type: none"> <li>❖ <i>Reliable Local Broadcast in a Wireless Network Prone to Byzantine Failures</i> Vartika Bhandari and Nitin Vaidya (University of Illinois at Urbana-Champaign, USA)</li> <li>❖ <i>A Class of Orientation-Invariant Yao-type Subgraphs of a Unit Disk Graph</i> Thomas Fevens, Alaa Eddien Abdallah, Tarek El Salti and Louisa Harutyunyan (Concordia University, Canada)</li> <li>❖ <i>Low Energy Construction of Fault Tolerant Topologies in Wireless Networks</i> Hanan Shpungin and Michael Segal (Ben-Gurion University of the Negev, Israel)</li> </ul>
3:40 pm to 4:00 pm	Break
4:00 pm to 5:40 pm	<b>Session 3: Wireless Networks II</b> , Session Chair: TBA <ul style="list-style-type: none"> <li>❖ <i>Dessy: Towards Flexible Mobile Desktop Search</i> Eemil Lagerspetz and Tancred Lindholm, Sasu Tarkoma (Helsinki Institute for Information Technology, Finland)</li> <li>❖ <i>Near-Optimal Compression of Probabilistic Counting Sketches for Networking Applications</i> Björn Scheuermann and Martin Mauve (Heinrich Heine University, Düsseldorf, Germany)</li> <li>❖ <i>SDP-based Approach for Channel Assignment in Multi-radio Wireless Networks</i> Hieu Dinh, Yoo-Ah Kim (University of Connecticut, USA), Seungjoon Lee (AT&amp;T Research Labs, USA), Minh Shin (University of Maryland at College Park, USA) and Bing Wang (University of Connecticut, USA)</li> <li>❖ <i>On the Connectivity Threshold for General Uniform Matric Space</i> Gady Kozma (Weizmann Institute of Science, Israel), Zvi Lotker (Ben-Gurion University, Beer Sheva, Israel) and Gideon Strupp (Sheer Networks, Israel)</li> <li>❖ <i>Strictly-Localized Construction of Near-Optimal Power Spanners for Wireless Ad-Hoc Networks</i> Iyad Kanj, Ljubomir Perković (DePaul University, USA) and Ge Xia (Lafayette College, USA)</li> </ul>