

**GROUP AS INDIVIDUAL IN SOCIAL DYNAMICS**  
**Arizona State University**  
**Center for Social Dynamics and Complexity**  
**May 1 – 2, 2009**

**Friday, May 1, 2009**

**Session 1: Concepts and Theory**

10:00-10:20	Introductions and Welcome	
10:20-10:40	Andrew Hamilton	Sociality and the Individuality Concept
10:40-11:00	Matthew Herron and John Pepper	Does Biology Need an Organism Concept?
11:00-11:20	Manfred Laubichler	Developmental Basis of Group Cohesion
11:20-11:40	Bill Griffin	Algorithms and Group Structure
11:40-12:20	Discussion (Pepper moderator)	
12:20-1:20	<i>Lunch</i>	

**Session 2: Emergence of Groups**

1:20-1:40	Jennifer Fewell	Self Organization and the Emergence of Group Behaviors
1:40-2:00	Athena Aktipis	Walk Away Rule Promotes Group Selection
2:00-2:20	Lowell Gaertner	Us without Them: On the Intragroup Origin of Group Formation and Positive Ingroup Regard
2:20-2:40	Dario Nardi	Fostering Emergence: Activities, Frameworks, and Tools to Actualize Small Groups
2:40-3:00	Discussion (Hamilton moderator)	
3:00-3:20	<i>Break</i>	

**Session 3: Group Size and Scaling**

3:20-3:40	Linnda Caporael	Social Scaling and Correspondences to Group Identities
3:40-4:00	Anna Dornhaus	Evolution and Ecology of Collective and Individual Problem-Solving in Social Insects
4:00-4:20	Grégory Sempo et al	Weak Individual Preference versus Strong Collective Sensitivity: A Density-Dependent Process
4:20-4:40	Abdul Ahmed and Martin Bearkgaard	Dynamics of Collapse and the Emergence of Alternative Forms of Social Organization
4:40-5:00	Discussion (Barton moderator)	

**Saturday, May 2, 2009**

**Session 4: From Group to Superorganism**

10:00-10:20	Introduction to Day Two	
10:20-10:40	Aurora Nedelcu	The mechanistic Basis for the Evolution of Reproductive Altruism
10:40-11:00	Stephen Pratt	Quorum Responses and Consensus Decision-Making
11:00-11:20	Jürgen Liebig	Cooperation and Conflict in Ant Societies
11:20-11:40	<i>Break</i>	
11:40-12:00	Jennifer Jandt, Margaret Couvillon, Nhi Duong, and Anna Dornhaus	Patterns of individual and colony level development of worker body size in bumble bees
12:00-12:20	Kim Hill	Humans and Ants: Comparisons and Contrasts
12:20-12:40	John Pepper	Individuals as Groups: How do Multicellular Animals Suppress Internal Evolution?
12:40-1:00	Discussion (Fewell moderator)	
1:00	<i>Lunch &amp; Close of Conference</i>	

