

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

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| 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

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| 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

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| 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

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| 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 & Close of Conference</i> | |

