

SwarmFest 2006 Schedule

- **Thursday, 6:00pm - 9:00pm, June 22, 2006**
 - SwarmFest 2006 Opening Reception: Food, drink, music and poster session
- **Friday, June 23, 2006**
 - **Invited Speaker 9:15 - 10:15 am**
 - Gary An, Director of the Burn Intensive Care Unit, Cook County Hospital, Morphology and Modularity: ABM Approaches to Biomedical Modeling
 - **Break 10:15-10:30 am**
 - **NAACSOS Sessions 10:30 - 12:00 (See NAACSOS Program)**
 - **Lunch - Invited Speaker 12:00 -1:30 pm**
 - Steve Bankes, Evolving Logic/RAND, Robust Inference in Computational Social Science
 - **NAACSOS Sessions 1:45 - 2:45 (See NAACSOS Program)**
 - **Break 2:45 - 3:15 pm**
 - **Presentation Session 3:15 - 5:00 pm**
 - William Rand, Northwestern University: Widgets, Planets, and Demons: The Case for the Integration of Human, Embedded, and Virtual Agents via Mediation
 - Steven Lytinen, DePaul University: A comparison of Agent-based Simulation Platforms
 - Michael North, Argonne National Laboratory: A Brief Introduction to the New Repast Symphony Toolkit
 - Keith Christensen and Yuya Sasaki, Utah State University, Paul Box, CSIRO Sustainable Ecosystems, Alice Springs, Australia: Evaluating access for persons with disabilities during mass egress events in public places
 - **Panel: Teaching Agent-based Modeling 5:15 - 6:00 pm**
 - Moderator: Steven Lytinen, DePaul University
 - Panelists: William Rand, Northwestern University; Michael North, Argonne National Laboratory; Greg Madey, University of Notre Dame
 - **Dinner at Legends 6:15 pm**

- **Saturday, June 24, 2006**
 - **Invited Speaker 8:30 - 9:30 am**
 - Steve Railsback, Lang, Railsback & Associates and the Department of Mathematics, Humboldt State University, What makes a good individual-based model (and has there ever been one)?
 - **Presentation Session 9:45 - 10:45 am**
 - Virginia A. Folcik and Charles G. Orosz, College of Medicine, Ohio State University: An Agent-Based Model Demonstrates that the Immune System Behaves Like a Complex System and a Scale-Free Network
 - Bryan Thorne, Alexander M. Bailey, Shayn M. Peirce, Department of Biomedical Engineering, University of Virginia: Modeling Blood Vessel Growth: An Integrated Agent Based and Finite Element Analysis Approach
 - Scott Christley, Department of Computer Science and Engineering, University of Notre Dame, Stuart A. Newman, Department of Cell Biology and Anatomy, New York Medical College and Mark S. Alber, Department of Mathematics, University of Notre Dame, Notre Dame; Modeling of Pattern Formation in Cell Cultures
 - **Break 10:45 - 11:00 am**
 - **Presentation Session 11:00 - 12:00 am**
 - Brandon Rich and Jeanne Romero-Severson, Computer Science & Engineering and Biological Sciences, University of Notre Dame: Modeling Northern Red Oak Migration in Netlogo 3.1
 - James Anderson, School of Aquatic & Fishery Sciences, University of Washington: Agent Based Methods in Ecohydraulics
 - Kelly E. Lane, Gerhard Niederwieser, and Ryan Kennedy: Biological Sciences and Computer Science & Engineering, University of Notre Dame, Modeling Disease Transmission in Long-tailed Macaques (*Macaca fascicularis*) on Bali
 - **Lunch 12:00 - 1:00 pm (on your own - list of restaurants to be provided)**
 - **Presentation Session 1:00 - 2:00 pm**
 - Paul Box and Yiheyis Maru, Commonwealth Scientific and Industrial Research Organization, Australia: An agent-based representation of social networks, cooperative behavior, and viability of remote desert communities in central Australia

- Ferdi L. Hellweger, Ehsan Kianirad, Civil & Environmental Engineering Department, Northeastern University: Spatially Explicit Individual-Based Modeling: Global vs. Local Fixed Agent Number Methods
- Timothy Schoenharl, Dongyoung Shin, Daniel Mack, Dave Severson, Computer Science & Engineering and Biological Sciences, University of Notre Dame: Population Replacement in the Mosquito Aedes Aegypti using a Meiotic Drive System
- **Break 2:00 - 2:15 pm**
- **Presentation Session 2:15 - 3:15 pm**
 - Sule Yildirim, Department of Computer Science, Hedmark University College, Norway; Gregory Dam, Department of Learning Sciences, Northwestern University; James C Houk, Department of Physiology, Northwestern University Medical School: Agents of the Mind to Emerge in NetLogo
 - Todd Crawl, Aquatic, Watershed and Earth Resources, Utah State University; and Paul Box, Commonwealth Scientific and Industrial Research Organization, Australia: Shrimp migrations in the Caribbean National Forest, Puerto Rico: modeling effects of roads and recreational use
 - Kyle Newton, Rebecca Tyson, University of British Columbia - Okanagan: Modelling the effectiveness of sterile insect release within a Codling moth population
- **Break 3:15 - 3:30 pm**
- **Presentation Session 3:30 - 4:15 pm**
 - Paul Cunningham, Humboldt State University: A Sensitivity Analysis of an Individual-based Trout Model
 - Yongqin Gao, Greg Madey, Computer Science & Engineering, University of Notre Dame: A Swarm-based Simulation of the Open Source Software Community
- **Break 4:15 - 4:30 pm**
- **Closing Meeting 4:30 - 5:00 pm**
 - Swarm Development Group update and SwarmFest 2006 award ceremony
- **Tutorials: Sunday, June 25, 9:00 - 4:30pm**
 - **Bill Rand and Spiros Marulis, Northwestern University**
 - **Mike North, Argonne National Laboratory**