

NAACSOS ANNUAL CONFERENCE CALL FOR PAPERS

North American Association for Computational Social and Organizational Science
June 26 - 28, 2005, Notre Dame, Indiana, USA

http://www.casos.cs.cmu.edu/events/conferences/conference_2005.html

This conference provides an international forum for interdisciplinary research that applies computational methods and models to a range of social processes at a range of levels, including interaction, structural, organizational, societal and international. The goal is to advance the state of science in formal reasoning, analysis, and system building drawing upon and encouraging advances in areas at the confluence of social networks, artificial intelligence, complexity, machine learning, sociology, business, political science, economics, computer science and operations research. Such research has the potential to lead to the development of new theories that explain and predict the behavior of complex adaptive systems, new computational models and technologies that are responsible to society, business, policy, and law, new methods for integrating data, computational models, analysis and visualization techniques.

Of particular interest is recent work in any of the following areas:

1. Computational theorizing about complex socio-cognitive-technical systems, including organizations, commerce, markets, societies, institutions, privacy issues and technology enhanced environments.
2. New computational, especially agent based, multi-agent based, cognitive, or social network based models for studying, reasoning about, or providing policy guidance with respect to socio-cognitive-technological systems, social-psychological, interactional, social, organizational, political or technological systems.
3. Papers presenting, validating, or applying network models or computational techniques are strongly encouraged. In addition, papers that take any of these foci are encouraged:
 - Applications work using computational models
 - Theoretical research using computational models on fundamental principles of social action and interaction, such as coordination, cooperation, hierarchy, evolution, and destabilization
 - Computational or network modeling related to corporate, military or intelligence issues, including papers on counter-terrorism
 - Computational social, organizational, or economic science
 - New algorithms for or dynamic metrics of interaction, network or relational data
 - Complex social or organizational systems models
 - Teams, organizations, and swarms of intelligent agents
 - Computational statistics for networks
 - Automated organizational design tools
 - Automated data collection tools for use with computational models

- Ethical use of, and privacy issues related to, social, relational and computational data
- Infrastructure for large scale multi-agent simulation
- Coordination, social cognition, or group performance
- Social science models using grid-based computing or super computers
- Comparison, contrast and docking of computational models - new approaches and/or actual comparisons
- Advances in grounding, tuning, and validating computational models, including new techniques generalizable across many models, and new empirical tests of specific models
- Methods for calibrating, assessing, verifying and validating agent-based models and simulations

Dates:

- Paper submissions are due by April 16th, 2005. All papers must be submitted electronically through the conference submission form.
- Acceptance decisions: April 30, 2005
- Deadline for early registration: May 25, 2005
- Conference: June 26-28, 2005

Direct Questions on:

Content, sessions and demos: Michael Prietula, 305-348-7287, prietula@fiu.edu

Local on-scene logistics: Greg Madey, 574-631-8752, gmadey@nd.edu

Website, online paper submission: Jana Diesner, 412-268-5866, jdiesner@andrew.cmu.edu

Publications:

Formats (text or PDF preferred):

- Papers (4-6 pages)
- Panels (200-300 words, including panelists names and affiliations)
- Posters (200-300 word summary)
- Software Demos (200-300 word summary)

All accepted papers (4-6 pages) will appear in the official conference proceedings, provided the presenter pre-registers for the conference. Papers submitted by graduate students will be reviewed for the student paper competition. The paper winning this award will be published in CMOT. Non grad student papers will be reviewed for a best paper. The paper winning this award will be published in CMOT. The Keynote paper will be published in CMOT.

Location:

The conference will be held on the campus of the University of Notre Dame in the McKenna Hall Conference Center.

Travel, Hotel, and Registration:

Travel directions, hotel accommodations, registration, and program will be posted at the conference web site.