



BWSS 2012 - THIRD BRAZILIAN WORKSHOP ON SOCIAL SIMULATION

Curitiba, Brazil, 20-21 October 2012

BWSS 2010 Website: <http://bwss2012.c3.furg.br>

Co-located with BRACIS 2012 - The Brazilian Conference on Intelligent Systems
Curitiba, Brazil, 20-25 October 2012 - <http://www.inf.ufpr.br/bracis2012/>

CALL FOR PAPERS

SUBMISSION DEADLINE: 28 JUNE 2012

Social simulation has a dialectical relationship to Artificial Intelligence, in general, and Multi-agent Systems, in particular. It is both an area for the application of methods, techniques and technologies of AI and MAS, as well as a source of inspiration for new theories, models and methods for AI and MAS, as it draws upon the theories, models and methods of the social sciences (anthropology, sociology, political science, economy, government, management, etc.).

This two-day workshop will address theoretical, methodological, technical and instrumental issues concerning the area of simulation of social systems. The workshop will thus have an interdisciplinary character. Theories and models of societies and smaller social systems that embody a computational concern are at the center of area. Micro-level and macro-level issues concerning structures and processes at the social and individual levels, as well as the mutual influence between such conceptual levels, and problems of upward and downward causation between them should also be contemplated.

Techniques, tools and computational environments for the simulation of those models, especially those based on agent and multi-agent technology, and AI methods in general, should be of primary concern. Application of social simulation to the various areas of social sciences (anthropology, sociology, political science, economy, government, management, education, health etc.) as well related subjects (emergency services, policy making, financial risk management, natural disaster management, national security, armed conflict etc.) should also be of interest to the audience.

Invited speakers:

Prof. Dr. Armando Geller (Group W and George Mason University, USA): Putting social simulation to use for security professionals and aid and relief practitioners in areas affected by armed conflict

Prof. Dr. Alan Kirman (GREQAM, AMU and EHESS Marseille, France): Individual and Collective Rationality in Collective Systems

Panel:

Social Simulation: Seeing ahead – scanning the future, looking to the tendencies of Computation and Complexity Sciences, namely Agents and Artificial Intelligence

Chair: Prof. Dr. Helder Coelho

Participants: Alan Kirman (GREQAM, AMU and EHESS Marseille, France), Armando Geller (Group W and George Mason University, USA), Bruno Reis (UFMG, Brazil), Jaime Sichman (USP, Brazil)

We are cordially inviting you to submit a paper to BWSS 2010. The topics of interest are (not exclusively):

- theoretical foundations of social simulation
- methods and models for social simulation
- AI and MAS tools, techniques, models and environments for social simulation
- applications of social simulation (in research anthropology, sociology, political science, economy, government, management, education, health, emergency services, policy making, financial risk management, natural disaster management, national security, armed conflict etc.)

Important dates:

- **Deadline for paper submission:** June 28, 2012
- **Notification to authors:** August 20, 2012
- **Camera-ready copies of papers:** August 30, 2012
- **Deadline for author registration:** August 30, 2012W
- **Workshop date:** 20-21 October, 2012

Paper format:

Papers should be written in English, with at most 16 pages, and submitted in PDF format, following the Springer LNCS style (see <http://www.springer.de/comp/lncs/authors.html>). The submission system will be JEMS/SBC at

<https://submissoes.sbc.org.br/home.cgi?c=1604>.

Proceedings

The papers accepted for the workshop will be published in the Workshop Proceedings CD Room with ISSN. At least one author of any accepted paper should be registered with a "full registration" at the main conference BRACIS in order to have the paper included in the proceedings. At least one author of any accepted paper should attend the workshop.

Best Paper

Extended versions of the two best papers presented at the workshop, selected by the Program Committee, will be invited to be submitted for the JBCS - Journal of the Brazilian Computer Society - <http://www.sbc.org.br/index.php?language=2&subject=309>

Post-Proceedings

Post-proceedings (pending approval) will be published by IEEE, with papers related to the invited talks and panel, and new versions of the technical papers, including the discussions and suggestions aroused at the workshop oral presentations.

Organizing committee:

Antônio Carlos da Rocha Costa, FURG, Brazil

Diana Francisca Adamatti, FURG, Brazil

Graçaliz Pereira Dimuro, FURG, Brazil (corresponding chair, email: gracaliz@gmail.com)

Helder Coelho, Universidade de Lisboa, Portugal

Jaime Sichman, USP, Brazil

João Balsa, Universidade de Lisboa, Portugal

Patricia Tedesco, UFPE, Brazil

Local Chair: *Gleifer Vaz Alves, UTFPR, Brazil*