

Extended Deadline ECM_MAI 2007

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- *From:* "Suley" <suley@xxxxxxxxxxxxx>
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ECM_MAI 2007

EXTENDING COMPUTATIONAL COGNITIVE MODELLING TO ISSUES OF MULTI-AGENT INTERACTION

in conjunction with ICAI'07, Las Vegas, Nevada, USA (June 25–28, 2007)

http://www.world-academy-of-science.org/worldcomp07/ws/ICAI07/workshops_sessions

Call for Papers

The fields of cognitive science, artificial intelligence, and the social sciences can together create a better understanding of cognition and social processes than they can independently of each other. Some efforts in social sciences, especially social simulations, have evolved an understanding of social processes in societies independently from the other two fields. However Sun (2006) among other has shown that there is relation between individual cognition and social processes. Can this connection be understood by exploring the relationship between computational cognitive modeling and social simulation? How is the cognition of a society different from individual cognition? In this session we will examine these questions and many more. We invite submissions of research that investigate any of the following topics: (1) the relation between individual and social cognition, (2) multi-agent models that are related to advances in individual cognition, (3) social simulations that utilize cognitive science or artificial intelligence techniques, (4) aspects of social cognition that require modeling, and (5) the integration of cognitive models of learning into multi-agent interaction.

(Sun, R., 2006) Cognition and Multi-Agent Interaction, Edited by Ron Sun, 2006, Cambridge University Press.

Submission of Papers

Authors are invited to submit their draft paper (between 5 to 7 pages – single space, font size of 10 to 12) to Sule Yildirim (suley@xxxxxxxxxxxxx) or Bill Rand (wrand@xxxxxxxxxxxxxxxxxxx) before the deadline. E-mail submissions in MS document or PDF formats are

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preferable. All reasonable typesetting formats are acceptable. These are general guidelines, if you would like to submit in a different format please contact the coordinators.

Papers must not have been previously published or current submitted for publication elsewhere. Upon acceptance authors will be asked to follow the IEEE style format in preparing their papers for publication (max. 7 pages). The first page of the submission should include:

- Title of the paper
- Name, affiliation, postal address, e-mail address, telephone number and fax number for each author
- Name of the author who will present the paper should be indicated
- A maximum of five keywords

Session Format

The session will begin with an overview of the topic by the coordinators, and the peer-reviewed papers will then be orally presented. If time permits a wrap-up discussion will take place at the end of the session.

Important Dates

Extended Submission deadline: 20 March, 2007.

Notification of acceptance: 7 April, 2007.

Camera-ready due: 27 April, 2007.

Conference registration deadline: 27 April, 2007.

Conference dates: June 25–28, 2007

See ICAI'07 website for complete details.

Publication

The conference proceedings will be published by CSREA Press (ISBN) in hardcopy. The proceedings will be available for distribution at the conference .

Some accepted papers will also be considered for journal publication (soon after the conference). All conference proceedings published by CSREA Press are considered for inclusion in major database indexes that are designed to provide easy access to the current literature of the sciences (database examples: ISI Thomson Scientific, IEE INSPEC, DBLP, ...).

Program Committee

Session Chairs

Sule Yildirim, Hedmark University College
Bill Rand, Northwestern University
Program Committee

- Ron Sun, Rensselaer Polytechnic Institute
- Tuncer Ören, University of Ottawa
- Maarten Sierhuis, RIACS/NASA Ames Research Center
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