IEEE CogSIMA 2011
IEEE Conference on Cognitive Methods in Situation Awareness and Decision Support

CALL FOR PAPERS

CogSIMA 2011 continues and expands the research domain of situation management that was established by the Situation Management Workshops in 2005-2009. The aim of this conference is to provide a venue for presenting scientific results of studies of complex, heterogeneous dynamical systems that include humans, physical systems and computer agents whose behaviors depend on situation. Examples of such systems include ad hoc mobile networks, physical and cyber security systems, disaster monitoring and recovery systems, epidemic monitoring and control, intelligent transportation systems, financial and investment services, and tactical and operational battlefield command and control systems.

CONFERENCE SCOPE:

The main topics addressed by the conference include (but are not limited to):

- Studies of concepts of situation, context, event, goal, intention, action, activity, and behavior
- Theories of situation awareness in both humans and computer agents
- Situation dependent data integration
- Modeling of situations – model construction, adaptation and learning
- Theories of relevance
- Methods of planning actions to achieve desired situations
- Approaches to spatial and temporal reasoning, reasoning about goals, intentions and actions, and collective reasoning by teams of human and/or machine agents
- Advancement of situation control theory, including situation feedback, goal assessment and optimization, situation games with nature and adversaries, reflective situation control, and collective situation behavior
- Metrics and evaluation

SUBMISSION GUIDELINES:

All papers must represent original and unpublished work that is not currently under review. Each paper will be reviewed by at least three independent referees. Papers will be evaluated according to their significance, originality, technical content, style, clarity, and relevance to the conference. At least one author of each accepted paper is expected to attend the conference. Two types of paper submissions will be accepted:

Oral presentation paper (max. 8 pages): a research paper describes new results that advance the state-of-the-art in basic or applied research.

Poster presentation paper (max. 4 pages): a research paper describes a work in progress.

Submitted papers should clearly indicate on the first page the submission type. Authors of accepted papers will need to sign an IEEE copyright release form and present their paper at the conference. The conference proceedings will be digitally published by IEEE Communications Society and papers that are presented at the conference will be included in the IEEE Explore Digital Library.

All paper submissions will be handled electronically in EDAS via the CogSIMA 2011 submission page. Authors should prepare a Portable Document Format (PDF) version of their full paper in 2-column style (main text in 10-point size) including figures and correct margins. Please use the style sheet templates provided by IEEE to assure that your proposal is in line with our guidelines. http://www.ieee.org/portal/pages/pubs/transactions/stylesheets.html.

IMPORTANT DATES:

Abstract submission: August 15, 2010
First feedback: September 15, 2010
Full paper submission: October 15, 2010
Acceptance notification: December 1, 2010
Camera ready paper: January 15, 2011

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