

CALL FOR PAPERS



IEEE CogSIMA™

11-14 June 2018, Northeastern University, Boston MA, USA

2018 IEEE International Conference on Cognitive and Computational Aspects of Situation Management

www.cogsima2018.org

Where Cognitive Science meets Computer Science

The CogSIMA conference series provides an annual venue for presenting multi-disciplinary research on complex heterogeneous dynamical systems - of interacting humans, machines, computer agents and/or networks - whose individual and/or collective behavior depends on their situation awareness.

Examples of systems include command and control systems, disaster monitoring and recovery systems, human-robot teams, physical and cyber security situation awareness systems, intelligent transportation systems, health care medical situation control systems, and many others.

Common to these systems is the need to adequately perceive, reflect, act, and communicate according to the current situation and expected changes - both in the environment and within the systems themselves.

The CogSIMA conferences are aimed at researchers and practitioners from academia, industry and government, with a wide variety of backgrounds and experience including computer science, human factors, cognitive science, modeling and simulation, robotics, and systems engineering.

For questions concerning CogSIMA 2018 contact us at admin@cogsima.org

We look forward to seeing you in Boston!



IEEE

SMC

Systems, Man, and Cybernetics Society

Topics of Interest

Science & Technology

Theories of situation management, cognitive methods, or decision support in human-machine systems

Studies of concepts of situation, context, event, goal, intention, action, activity, behavior in the context of hybrid interactive human-machine systems

Situation perception, comprehension, tracking, prediction & management

Collaborative decision support

Spatial & temporal reasoning, reasoning about goals, intentions & actions & collective reasoning by teams of human and/or machine agents

Metrics & evaluation of hybrid human-machine systems

Mathematics, Modeling, Architectures

Situation-dependent data integration

Information fusion

Modeling of situations - model acquisition, construction, adaptation & learning

Models of human-machine collaboration, hybrid & distributed cognition

Computer & system architectures

Applications & Emerging Technologies

Systems, platforms & tools for situation awareness & decision support

System level experiments

Application specific basic & applied research

Important Dates

Papers & Tutorials DUE: March 18, 2018

Late-breaking Reports DUE: April 2, 2018

Camera Ready Paper DUE: May 2, 2018

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