



IEEE CogSIMA 2013

The 3rd IEEE Conference on Cognitive Methods in Situation Awareness and Decision Support
26-28 February 2013, Holiday Inn on the Bay, San Diego, CA

www.cogsima2013.org

CALL FOR PARTICIPATION

The aim of this conference is to provide a venue for presenting scientific results of interdisciplinary studies of complex, heterogeneous dynamical systems that include humans, physical systems, computer agents and networks of such systems whose behaviors depend on *situation*. Examples of such systems include human-controlled and monitored ad hoc communication mobile networks, social networks, physical and cyber security systems, disaster monitoring and recovery systems, intelligent transportation systems, financial and investment services, and tactical command and control systems.

Keynote by Dr. Keith Devlin, Stanford University

"A Uniform Framework for Describing and Analyzing the Modern Battlefield"

The talk summarizes the results of a preliminary study for the US Army to develop a descriptive framework that captures, in a uniform way, all of the complexity of the modern battlefield. Among the requirements that had to be met were that the framework (1) is capable of sufficient precision to allow for cross-domain communication, (2) meets the needs of all parties, (3) allows for clarification and disambiguation, and (4) is sufficiently natural and intuitive for rapid mastery by all parties. The framework I developed is based on the adoption of an information-flow view of the battlefield, using situation theory.



Keynote by Dr. Robert Bonneau, Program Manager, AFOSR/RSL
"Complex Information Systems"

The talk will provide an overview of complex information systems including quantifying, managing, and designing heterogeneous networked systems. Methods of measuring and assessing the performance of networked, software, and hardware integrated systems such as cloud architectures will be discussed including techniques of sparse approximation in systems measurements, and algebraic and topological statistical metrics for performance. Strategies of quantifying risk over different geometric and statistical classes of distributed systems will be examined as well as methods of tracking and coding dynamic information flows.



HOTEL INFORMATION:

Holiday Inn on the Bay

1355 North Harbor Drive, San Diego, California 92101
Reservation Line: 888-233-9527 reference (IEE2013)

Reservation Website:

[Gov't Block](#)

[Regular Block](#)

Reservation Cutoff Date: January 23, 2013 at 5PM PT

Group Rate: \$133 gov't rate/ \$159 regular rate

REGISTRATION

To register for the conference [click here](#)

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