



Hosted in Denver, Colorado • August 19-21, 2014

2nd International Symposium on Resilient Cognitive Systems

The major purpose of this symposium is to extend and endorse particular concepts that will generate novel research and codify resilience in next generation cognitive system designs.

There will be two tracks for this year's symposium:

- Cognitive Systems
- Human-Centered Resilience

Statement of Themes: A growing number of cyber, physical, and hybrid work environments exhibit critical interplays of engineering systems design with human factors and ergonomics research applications. The Cognitive Systems track will explore how people, individually and teams, engage in cognitive work in complex, high consequence settings. We will emphasize technology designs, operating concepts and procedures, and decision-making strategies that improve time-critical human and engineering system performance. Joint sessions with the Control Systems and Cyber Systems Symposia will address multi-function aspects of resilience and robustness of systems integrating humans, automation, and system management resources.

Submission Schedule

- Paper Submission Due: April 28, 2014 - **Extended**
- Notification of Paper Acceptance: June 9, 2014
- Final Paper Submission: July 7, 2014

Cost

- \$495
- \$445 for registration by July 11, 2014
- \$50 discount for IEEE IES members
- \$50 discount for HFES members
- Half price registration for registered students

Venue/Accommodations

Grand Hyatt Denver
1750 Welton Street
Denver, Colorado, USA, 80202
Tel: +1 303 295 1234
Fax: +1 303 603 4009

Schedule

- Day 1: Special Topics Sessions
- Day 2: Paper Sessions
- Day 3: Panel and Breakouts
- Day 4: Optional Tour

Benefits

- Opportunity to participate in an evolving focus area within critical infrastructure protection and cyber-physical systems
- Reduced registration fee for IEEE IES and HFES members
- Optional trip to area attraction for a nominal fee

Call for Papers

Paper submission will be handled through the symposium website listed below. Please refer to this website for the latest information.

Topical Areas (including, but not limited to)

- Selection, training and performance in complex systems
- Human performance models of event response
- Cognitive readiness in high-consequence environments
- Macroergonomics, systems design, and safety
- Human factors of security, privacy, and trust
- Situation Cognition in cyber, physical, and hybrid environments
- Procedures, checklists, and skilled performance
- Human supervisory control and complex systems performance
- Distributed cognition and expertise coordination
- Human-machine interaction with automation, computers, and robots

Keynote Speakers

- Dr. Jalal Mapar, Department of Homeland Security

General Chairs

- Ron Boring, Idaho National Laboratory
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Organizing Chair

- Jodi Grgich, Idaho National Laboratory
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Publication Chair

- Li Bai, Temple University

Technical Sponsor

- Human Factors and Ergonomics Society

Technical Program Committee

- Ronald Boring, Idaho National Laboratory
- Marco Carvalho, Florida Institute of Technology
- Brian Dyre, University of Idaho
- David Gertman, Idaho National Laboratory

- Nathan Lau, University of Virginia
- Timothy McJunkin, Idaho National Laboratory
- Apurva Mohan, Honeywell International
- Angie Selook, Alion Science
- Bill Smart, Oregon State University
- David Woods, Ohio State University

<http://resilienceweek2014.inl.gov/CognitiveSystems>