



Hosted in San Francisco, California • August 13-15, 2013

1st 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 1, 2013
- Notification of Paper Acceptance: June 3, 2013
- Final Paper Submission: July 8, 2013
- Symposium Website: <http://cognitivesystems2013.inl.gov/>

Cost

- \$495
- \$445 for registration by July 12, 2013
- \$50 discount for IEEE IES members
- \$50 discount for HFES members
- Half price registration for registered students

Venue/Accommodations

Hilton, San Francisco Financial District
750 Kearny Street, San Francisco, California, United States 94108
Tel: 415-765-7838 • Fax: 415-765-7890

Schedule

- Day 1: Tutorial & Workshop Sessions
- Day 2: Paper Sessions
- Day 3: Panel Discussions

Benefits

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

Call for Papers

Paper submission will be handled through the symposium website listed above. 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

Selected papers will be invited for inclusion in special issues of the Journal of Human Performance in Extreme Environments and other relevant journals.

Keynote Speakers

- Kyle Hultgren, Center for Medication Safety Advancement
- TBD

General Chairs

- Barrett Caldwell,
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- Jodi Grgich,
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Publication Chair

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Additional volunteers are encouraged to join the Technical Program Committee