



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

2nd International Symposium on Resilient Communication 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 communication system designs

Statement of Themes: Many commercial and government applications require reliable and secure communications for effective operations. These communications are often challenged in contested environments – whether from hostile states in an anti-access area denial scenario, degraded infrastructure following a man-made or natural disaster, or finite spectrum pressure that restrict agility. The symposium will highlight how incorporation of resiliency in communications systems can support a wide range of applications given uncertainty in the communication environment.

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
- 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
- Day 2: Paper Sessions
- Day 3: Panel Discussions
- Day 4: Optional Tour

Call for Papers

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

Topical Areas (including, but not limited to)

- Architectures: protocols, standards, point-to-point, distributed, networked, wireless, multi-modal, gateways, sensor networks, strategies
- Threats and Failures: jamming, interference, frame/bit errors, data loss, cyber-physical security, human error, malicious attacks, disasters, situational awareness, diagnosis
- Remediation and recovery: intrusion detection systems, intrusion tolerance, resilience metrics, resilience strategies, policy-based management, real-time remediation, machine learning and recovery strategies, future network resilience management architectures and mechanisms.
- Characterization: diversity, security, risk management, reliability, recovery, interoperability, fault tolerance, trust, latency, survivability, quality of service, disruption tolerance, complexity, adaptability
- Testing: Modeling, simulation, experimentation, instrumentation, qualification, laboratory, open air
- Networks and Infrastructure: cellular, VoIP, LTE, MANETS, peer-peer, 911, LMR, optical, SCADA, smart grid, backhaul
- Military applications: anti-access area denial (AA/AD), joint/coalition operations, national security, data links, SATCOM
- Civil applications: emergency and incident response, disaster preparedness, public safety, 911, assured communications, industrial internet

Keynote Speakers

- Dr. Jalal Mapar, Department of Homeland Security

General Chairs

- Kyle Mikos, United States Air Force
- Jie Wu, Temple University

Organizing Chair

- Jodi Grgich, Idaho National Laboratory

Publication Chair

- Li Bai, Temple University

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