

ISRCS 2015

ritical Infrastructure

Hosted in Philadelphia, PA • August 18-20, 2015

2nd National Symposium on Resilient Critical Infrastructure

Statement of Themes: Creating and sustaining resilient critical infrastructure is a diverse and complex mission. Critical infrastructure systems in the United States consist of a diversity of interdependent networks, varied operating and ownership models, systems in both the physical world and cyberspace, and stakeholders from multi-jurisdictional levels. Methods to improve critical infrastructure resilience are advancing, but much more can be done. Large-scale disasters have revealed that decision makers often struggle to identify or determine key components and interdependency relationships in infrastructure systems, optimal resource allocation to increase resilience or reduce risk, and optimal response plans. The Resilient Critical Infrastructure Symposium seeks to bridge the gaps among local, city and state entities, infrastructure owner-operators, federal agencies, and researchers to advance a productive discussion of tools, technologies, and policies for improving critical infrastructure resilience.

Submission Schedule

- Paper Submission Due: April 6, 2015
- Notification of Paper Acceptance: June 15, 2015
- Final Paper Submission: July 6, 2015

Venue/Accommodations

Hyatt Regency Philadelphia
201 S Columbus Blvd, Philadelphia, PA 19106
Tel: 215.928.1234 • Fax: 215.521.6543
[Reservations](#)

Schedule

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

General Chairs

- David Alderson
Naval Postgraduate School
[Send email](#)
- Cherrie Black
Idaho National Laboratory
[Send email](#)
- Sean McArw
Idaho National Laboratory
[Send email](#)

Organizing Chair

- Jodi Grgich
Idaho National Laboratory
[Send email](#)

**Registration is required to attend. This symposium is closed to Members of the Press.*

Call for Submissions

Extended Abstracts—submit an extended abstract or executive summary (not to exceed 1000 words) for original work on topics of interest. We welcome research contributions dealing with methodologies and techniques to improve critical infrastructure resilience to all-hazards. Case studies from local, state, federal infrastructure protection entities or infrastructure owner-operators are also invited and welcome. Work that has been previously published or presented elsewhere may be suitable provided that it fits with the objectives of the Symposium and these other outlets are referenced appropriately.

Position Papers—submit an "Op-Ed" style paper (not to exceed 800 words) discussing a key issue in the assessment and/or development of resilient critical infrastructure. Viewpoints, best practices, "grand challenge" problem descriptions, or recommendations for policies are encouraged.

Research Posters—submit a topic to be included in the poster session held jointly with the other Resilience Week symposia. Posters provide an opportunity to discuss your topic with peers in an informal setting, somewhat like an exhibit hall or information fair. Instead of preparing a formal talk with accompanying graphics or demonstrations, you will prepare a display that captures your topic and ideas in easily understood printed text and graphics. As conference attendees visit your display, you will have the opportunity to discuss your poster topic with them. Participants can submit as many different topics as they like, but only a subset of the submissions will be accepted and/or selected for presentation. Please indicate when submitting whether you would like to present at the Symposium. All of the accepted submissions will be posted online as part of an informal Symposium proceedings.

Topical Areas (including, but not limited to)

- Metrics for measuring the resilience of critical infrastructure systems; Contrasts across infrastructure sectors; Perspectives from owner-operators, state, local, and federal agencies.
- Dependency or interdependency case studies and examinations of cascading impacts of infrastructure failures; Cyber-physical interdependencies in critical infrastructure analysis.
- Modeling, analytical techniques, and decision support tools to determine vulnerabilities in critical infrastructure, assess resilience, and/or inform planning and investment.
- Strategic guidance, development and implementation of national policies: NIPP Rewrite, PPD 21, 2013 NIAC Regional Resilience Report.
- Best practices or case studies for critical infrastructure prior to, during, and after an event or incident; restoration of critical infrastructure systems following large scale disasters.
- Methods, policies, techniques and programs for working across jurisdictional lines to assess and assure resilient critical infrastructure.

<http://resilienceweek2015.inl.gov/CriticalInfrastructure>