



## ***Transforming the Resilience of Critical Infrastructure Systems and Communities***

**Resilience Week Objective:** A Symposium dedicated to advancing the interdisciplinary dialog on policy and technologies that accelerate critical infrastructure and community resilience to unexpected and malicious threats.

**SUBMISSIONS DUE JUNE 3, 2019 – *Extended to September 1***

### **Session Overview**

Resilience Week is pleased to announce its fourth annual Student Competition. Applicants must submit an extended abstract (whitepaper) by the deadline June 3, 2019. Participation is restricted to original research by undergraduate or graduate students. Each student presents a lightning talk and a poster at the symposium. A panel of judges—representing industry, government, and academia—will determine a best presentation award to be given at the symposium.

- Part 1: Lightning Talk — A short presentation (~7min)
- Part 2: Poster Session — Students present their research in-depth

### **Topic Areas**

- Modeling, analytical techniques, or decision support tools to determine vulnerabilities in critical infrastructure, assess resilience, and/or inform planning and investment;
- Best practices for local, state, federal infrastructure protection entities/infrastructure owner-operators improving infrastructure resilience to all-hazards; case studies of infrastructure planning and disaster responses;
- Prioritized restoration of critical infrastructure systems following disasters;
- Dependency or interdependency examinations of cascading impacts of infrastructure failures; cyber-physical interdependencies in critical infrastructure analysis;
- Application of geospatial technologies and related visualization methodologies that enhance critical infrastructure analysis efforts and information sharing processes.

### **How to Submit**

Applicants must submit an extended abstract via the submission site:

<https://cmt3.research.microsoft.com/RW2019>

### **Chair**

Cherrie Black, Idaho National Laboratory, [cherrie.black@inl.gov](mailto:cherrie.black@inl.gov)

John Hummel, Argonne National Laboratory, [jhummel@anl.gov](mailto:jhummel@anl.gov)

Frédéric Petit, Argonne National Laboratory, [fpetit@inl.gov](mailto:fpetit@inl.gov)

*\*Students are restricted to original research. Previously presented or published research may be presented as long as it fits with topic areas.*

[www.resilienceweek.com](http://www.resilienceweek.com)