



## ***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.

### **5<sup>TH</sup> ANNUAL STUDENT COMPETITION**

#### **Session Overview**

Resilience Week is pleased to announce its fifth annual Student Competition. Applicants must submit an extended abstract (whitepaper) by **JUNE 5, 2020**. 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 by **June 5** via the submission site:

<https://cmt3.research.microsoft.com/RW2020>

#### **Chairs**

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@anl.gov](mailto:fpetit@anl.gov)

#### **National Publication**

Student competition applicants who win best presentation awards may be invited to submit an expanded paper for publication in the Washington DC-based *Journal of Critical Infrastructure Policy*. Operating under a national editorial board, the peer-reviewed Journal is aimed at an audience of critical infrastructure professionals, academic researchers, policy makers and industry representatives.

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