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.

5TH 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
John Hummel, Argonne National Laboratory, jhummel@anl.gov
Frédéric Petit, Argonne National Laboratory, 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