

# Resilience Week 2018

Hosted in Denver, Colorado • August 20-23, 2018

## ***Transforming the Resilience of Cognitive, Cyber-physical Systems***

**Resilience Week Objective:** A Symposium dedicated to promising research in resilient systems that will protect critical cyber-physical infrastructures from unexpected and malicious threats--securing our way of life.

### ***Call for Special Sessions***

#### **Session S/I-01: Avoiding SkyNet: Humans Collaborating with Autonomy**

##### **Session Overview:**

We are soliciting whitepapers on the development of resilience in complex systems that are capable of operating autonomously in conjunction with human team members. We will explore how system resilience can be produced by effectively combining human and machine cognitive abilities. Manned-unmanned case studies and assurance methods will be discussed. The social dynamics of trust in mixed human-intelligent machine teams, how these dynamics vary in various situational contexts, and methods for optimizing human-intelligent machine organizational structures will be explored.

##### **Topical Areas:**

- Human Autonomous Systems Integration
- Resilient Manned-Unmanned Teaming
- Assured Resilience of Human-Machine Teams
- Case studies of Resilience Issues for Emerging Autonomous Systems
- Defining, Assessing and Designing for Trust

##### **Chairs:**

- Julie Marble, Johns Hopkins University Applied Physics Lab, [Julie.Marble@jhuapl.edu](mailto:Julie.Marble@jhuapl.edu)
- David Scheidt, Weather Gage Technologies, [dscheidt@weathergagetech.com](mailto:dscheidt@weathergagetech.com)

##### **Submission:**

- Due by May 30, 2018
- Submit whitepapers to Julie Marble, [Julie.marble@jhuapl.edu](mailto:Julie.marble@jhuapl.edu)

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