

HILT 2018 Workshop on *Languages and Tools for Ensuring Cyber-Resilience in Critical Software-Intensive Systems*

As part of [SPLASH 2018](#), November 5 & 6, 2018, Boston, MA, USA

Sponsored by ACM SIGAda

This is the fifth in the HILT series of conferences and workshops focused on the use of *High Integrity Language Technology* to address challenging issues in the engineering of software-intensive critical systems. HILT 2018 will focus on addressing cybersecurity and cyber-resilience issues that arise in real-time, embedded, and/or safety-critical systems, where such a system must be trusted to maintain a continual delivery of services, as well as ensuring safety in its operations. Such needs have common goals and shared strategies, tools, and techniques, recognizing the multiple interactions between security and safety.

Keynote speakers:

Bob Martin, MITRE



Common Vulnerabilities Enumeration (CVE), Common Weakness Enumeration (CWE), and Common Quality Enumeration (CQE) – Attempting to systematically catalog the safety and security challenges for modern, networked, software-intensive systems.

Ray Richards, DARPA



DARPA's new Cyber-Assured Systems Engineering (CASE) Program – Motivations, Challenges, and Technical Approaches to addressing cyber-resilience in critical software-intensive systems

This workshop is designed as a forum for communities of researchers and practitioners from academic, industrial, and governmental settings, to come together, share experiences, and forge partnerships focused on integrating and deploying tool and language combinations to address the challenges of building cyber-resilient software-intensive systems. The workshop will be a combination of presentations and panel discussions, with a number of invited speakers.