



5th International Symposium on Resilient Control Systems

The major purpose of this symposium is to extend and endorse particular concepts that will generate novel research and codify resilience in next generation control system designs.

Special/Invite Session Announcement and Call for Papers



University of Idaho



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Session S/I-01: Science of Test

Session Abstract:

Just as investment today in fundamental and advanced research sets the stage for the procurement of future generations of materiel, so must we explore the "science of test" to enable and enhance the test community's ability to find effective, streamlined, and cost efficient test methodologies and technologies to support test requirement definition and subsequent test execution. Examples exist within data collection technologies such as exploring multispectral or hyperspectral sensor beyond electro-optic/infrared data collection. They also exist for test data reporting enhancement such as inclusion of complex terrestrial characterization coincident to phenomenologies. Finally, the Science of Test might also explore methodologies to characterize and evaluate autonomous, multi-agent robotic systems beyond simple mobility or communications throughput metrics. The goal of this session is to provide a forum for researchers to discuss test sciences that span commodity or instrumentation boundaries and provide potential for leap-ahead advancements.

Topics:

- Methodologies for testing of autonomous systems
- Enhancement of test data reporting
- Novel phenomenologies valuable to system or component characterization
- Articulation in test data reporting
- Efficiencies and streamlining in the conduct of test
- Algorithmic advancement for system characterization based on limited testing data

Chairs:

- COL Reed F Young, PhD, Commander, Yuma Proving Ground (YPG), Reed.F.Young.mil at mail.mil
- Christopher Johnson, Director, Advanced Technology Directorate, YPG, Christopher.J.Johnson114.civ at mail.mil

Authors' Schedule:

- Paper submission deadline: **April 2, 2012**
- Notification of acceptance: **June 4, 2012**

Submission of Papers:

Papers are invited, but not required for this session. If papers are submitted, they need to be submitted electronically through the electronic submission system. For further details please consult the conference web pages for the paper template.