4th 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.

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Special/Invited Session Announcement and Call for Papers

Session S/I-09:

Tutorial on Integrating Human Performance Concerns in RCS Systems Engineering Analysis

Session Abstract:

Although there is a long history of systems engineering tools and attempts to model human and system performance in complex task environments, many of these tools address the "human factor" using simplistic or inappropriate assumptions. Realistic studies of human performance may consider issues of appropriate and inappropriate noncompliance with procedures; non-rational elements of information sharing and decision making; impacts of human expertise on system recovery (and not only human error); and the interplay of human factors and system simulation topics.

Topics:

System of systems engineering; human factors influences on simulation and system dynamics; human performance and recovery from system degradation; knowledge sharing and distributed expertise; digital human modeling of cognitive and team performance; simulation-informed human factors research design

Chairs:

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