



## 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



#### Contact Information

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#### Session S/I-02: Smart Grid Security, Resiliency and Privacy

#### Session Abstract:

Power grid is a critical national infrastructure crucial to the nation's economic security and public safety. The upgrade of such a large system to integrate digital communication technologies is driven by the important need to meet new efficiency and automation requirements. The security and resiliency of this infrastructure as it transforms into a smarter grid, and the privacy of the customers that depend on this infrastructure are paramount. However, given the complex and interconnected nature of the grid where the cyber and physical systems interact at varying time-scales (real-time to hours or days) achieving security, resiliency and privacy properties is a challenging problem that requires multi-disciplinary approach. This session aims to bring together a community of researchers and practitioners from academia, industry and the government to discuss the security, resiliency, and privacy aspects of the smart grid.

#### Topics:

Topics of interest include but are not limited to:

- Grid Resiliency
- Risk Assessment
- Robust and Fault-Tolerant Control for Power Grid Networks
- Intrusion Detection and Intrusion Response
- Device Security
- Privacy

#### Chairs:

- Robin Berthier, University of Illinois, Urbana-Champaign, rgb at Illinois.edu
- Rakesh Bobba, University of Illinois, Urbana-Champaign, rbobba at Illinois.edu
- Alvaro A. Cárdenas, Fujitsu Laboratories of America, alvaro.cardenas-mora at us.fujitsu.com

#### Authors' Schedule:

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

#### Submission of Papers:

Papers must be submitted electronically through the electronic submission system. For further details please consult the conference web pages for the paper template. <https://secureweb.inl.gov/ISRCS2012/paper.aspx>