

# ISRCS 2008



University of Idaho

Idaho State  
UNIVERSITY



IEEE ics

## 1<sup>st</sup> International Symposium on Resilient Control Systems

Tuesday, September 9, 2008 through  
Wednesday, September 10, 2008

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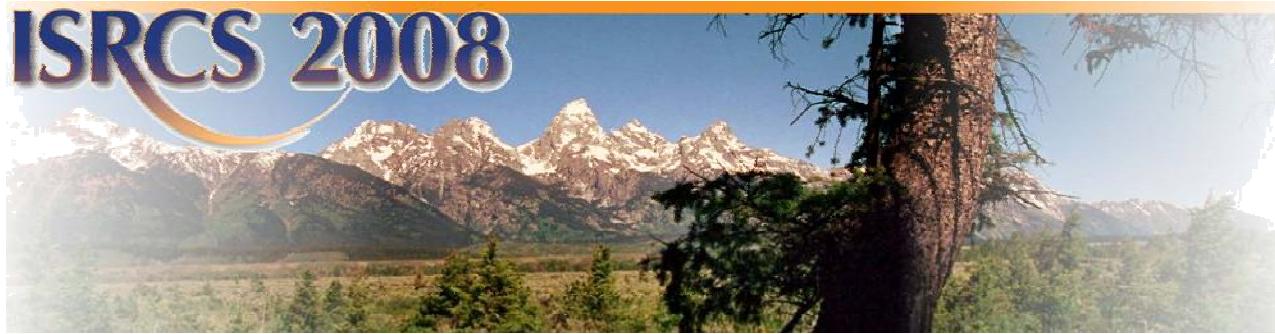
Attire: Business casual

Shilo Inn, 780 Lindsay Boulevard, Idaho Falls, Idaho

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### Tuesday, September 9, 2008

- 7:15 Registration
- 8:00 Welcome and Introduction ..... Milos Manic, *University of Idaho*
- 8:20 Agenda and Logistics ..... Margie Jeffs, *INL*
- 8:30 Resilience Requirements ..... Diane Hooie, *NETL*
- 9:15 Keynote 1: System-Level Algorithmic Concurrent Error Detection for Improved Resilience in Complex Control Systems ..... Juan Rodriguez-Andina, *U of Vigo*
- 10:15 Break
- 10:45 Control System Design Overview ..... Subbaram Naidu, *Idaho State University*
- 11:15 Control System Design Technical Talk 1 ..... Venkat Venkatasubramanian, *Purdue University*
- 11:45 Control System Design Technical Talk 2 ..... Alexander Chernoguzov, *Honeywell*
- 12:15 Hosted Working Lunch (Topic of General Discussion: Introduction of Breakout Session Topics and Format) ..... Session Chairs
- 1:15 Keynote 2: On Threats from Intelligent Adversaries ..... Eugene Santos, *Dartmouth*
- 2:15 State Awareness Overview ..... Venkat Venkatasubramanian, *Purdue University*
- 2:45 Break
- 3:15 State Awareness Technical Talk 1 ..... Raghunathan Rengasamy, *Clarkson University*
- 3:45 State Awareness Technical Talk 2 ..... Jay Lee, *University of Cincinnati*
- 4:15 Agenda and Logistics for Dinner and Day 2, Adjourn ..... Margie Jeffs, *INL*
- 4:30 Breakout Session Planning ..... Facilitators and Session Chairs only
- 5:30 Hosted Working Dinner Reception at the Art Museum of Eastern Idaho: Welcome and Overview of Science and Technology Programs at INL ..... KP Ananth, *INL*



## Wednesday, September 10, 2008

- 8:00 Reiterate purpose, agenda and objectives for the day ..... Subbaram Naidu
- 8:15 Keynote 3: Soft Error Tolerant FPGA Design ..... Parag Lala, *Texas A&M*
- 9:15 Reliability Design Overview ..... Axel Krings, *University of Idaho*
- 9:45 Break
- 10:15 Reliability Design Technical Talk 1 ..... Azad Azadmanesh, *University of Nebraska*
- 10:30 Reliability Design Technical Talk 2 ..... Zach Tudor, *Stanford Research Institute*
- 11:15 Hosted Working Lunch in Session Rooms
- 11:30 Facilitated Breakout Sessions: Idea Exchange.....
- Session 1: Control Systems Design ..... Subbaram Naidu
- Session 2: State Awareness..... Venkat Venkatasubramanian/  
..... Raghunathan Rengasamy
- Session 3: Reliability Design ..... Axel Krings
- 1:15 Facilitated Breakout Sessions: Whitepaper Development ..... Session Chairs
- 2:00 Break
- 2:30 Facilitated Breakout Sessions: Review..... Session Chairs
- 3:00 Presentation of findings from Control System Design Session..... Subbaram Naidu
- 3:20 Planning for Path Forward, Research Goals and Funding ..... Subbaram Naidu
- 3:30 Presentation of findings from State Awareness Session .... Venkat Venkatasubramanian/  
..... Raghunathan Rengasamy
- 3:50 Planning for Path Forward, Research Goals and Funding . Venkat Venkatasubramanian/  
..... Raghunathan Rengasamy
- 4:00 Presentation of findings from Reliability Design Session..... Axel Krings
- 4:20 Planning for Path Forward, Research Goals and Funding ..... Axel Krings
- 4:30 Path forward: Track Whitepaper Roadmap ..... Milos Manic
- 5:00 Adjourn