

# ISRCS 2008

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**Welcome To Idaho**

September 9-10, 2008, Idaho Falls, Idaho

# Thank You



### INL Idaho Falls Facilities

- (A) Engineering Research Office Building
- (B) Willow Creek Building
- (C) University Place
- (D) INL Administration Building
- (E) INL Research Center
- (F) Technical Support Building & Annex
- (G) Information Operations and Research Center



# Objectives

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- ❖ Visions and ideas
  - ❖ To communicate, discuss, and further develop visions and ideas for resilient control systems via community participation
  
- ❖ Novel concepts
  - ❖ To investigate, modify, extend, and endorse novel concepts that will define future research in resilient control
  
- ❖ Desired products
  - ❖ Whitepapers
  - ❖ Facilitate the interaction between academia & industry in identification of future research strategies and products

# Introductions

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## ❖ Keynote Speakers

- Prof. Juan Rodriguez-Andina

*University of Vigo, Spain*

*“System-Level Algorithmic Concurrent Error Detection for Improved Resilience in Complex Control Systems”*



- Prof. Eugene Santos

*Dartmouth University*

*“On Threats from Intelligent Adversaries”*



- Prof. Parag Lala

*Texas A&M*

*“Soft Error Tolerant FPGA Design”*



# Technical Talks

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## ❖ Control System Design

- Subbaram Naidu, ISU
- Venkat Venkatasubramanian, *Purdue University*
- Alexander Chernoguzov, *Honeywell*

## ❖ State Awareness

- Venkat Venkatasubramanian, *Purdue University*
- Raghunathan Rengaswamy, *Clarkson University*
- Jay Lee, *University of Cincinnati*

## ❖ Reliability Design

- Axel Kings, *University of Idaho*
- Azad Azadmanesh, *University of Nebraska at Omaha*
- Zach Tudor, *Stanford Research Institute*

# Important Activities

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- ❖ Breakout Sessions
  - Lead by session chairs w/facilitators
  - Structure
  
- ❖ Planning the Path Forward

# Agenda and Logistics

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- ❖ Margie Jeffs, facilitator
  - Idaho National Laboratory
  - Agenda and Logistics

