

WCGT 2013 – The 2nd Midwest Workshop on Control and Game Theory

April 26 - 27, 2013

Department of Electrical Engineering University of Notre Dame

The workshop aims to bring together researchers, students and faculty from the midwest region of the United States, who develop and apply game and control theory to analyze, design, and assess complex systems. Following the successful **1st Midwest Workshop on Control and Game Theory (WCGT)** in 2012 at the University of Illinois at Urbana-Champaign, USA, we once again plan to highlight synergies between various related research areas, encourage discussions and facilitate collaborations on new game and control theoretic methodologies. The workshop comprises of invited and contributed presentations.

Workshop Topics

- Dynamic games and applications
- Stochastic games
- Learning and adaptive games
- Evolutionary games
- Cooperative games
- Theory of optimal control and dynamic games
- Stochastic optimization theory
- Optimal and robust control designs
- Adaptive and nonlinear control theory
- Hybrid and switched systems
- Real-time control problems
- Control of multi-agent systems
- Networked control systems
- Control over networks
- Control of energy systems
- Large scale optimization problems
- Quantification of uncertainty
- Applications: telecommunications, transportation, smart grids, security, energy and resource management, economic dynamics, finance, management, environment, epidemiology, social sciences, system biology, etc ...

Organizing and Program Committee

- Panos J. Antsaklis (Notre Dame)
- Tamer Başar (UIUC)
- Naira Hovakimyan (UIUC)
- Michael Lemmon (Notre Dame)
- Bill Goodwine (Notre Dame)
- Thomas Cosimano (Notre Dame)
- Thomas Gresik (Notre Dame)
- Jong Shi Pang (UIUC)
- Getachew Befekadu (Notre Dame)
- Vijay Gupta (Notre Dame)
- Daniel Liberzon (UIUC)
- Hai Lin (Notre Dame)
- Khanh Pham (AFRL)
- Angelia Nedich (UIUC)
- Quanyan Zhu (UIUC)

Registration

To register for the workshop, please fill out the registration form at: <http://www.ee.nd.edu/events/wcgt-2013>

Program

The program will be updated at the workshop website: <http://www.ee.nd.edu/events/wcgt-2013>

Important Dates

April 1, 2013 Deadline for Submission of Abstract

April 15, 2013 Deadline for Registration

April 26-27, 2013 Workshop Dates