The Power, Beauty and Excitement of the Cross-Boundary Nature of Control

◈IEEE

NSF High School Students & Teachers Workshop
Open to all participants of CDC Conference

NSF

KU

9:00 am-2:00 pm, Tuesday, December 11, 2007
Fountain & Elmwood Rooms, Third Floor, Hilton New Orleans Riverside, New Orleans, LA

Organizers:
Technical Committee on Control Education of the Control Systems Society (CSS)
Technical Committee on Education of the International Federation of Automatic Control (IFAC)
Technical Committee on Control Education of the American Automatic Control Council (AACC)
Chair: Bozenna Pasik-Duncan, University of Kansas
Co-Chair: Pamela Whiffen, Gifted Science and Math Specialist, Scottsdale, AZ Unified School District

9:00 a.m. Welcome
Bozenna Pasik-Duncan, Chair, CSS and AACC Committees on Control Education
Radhakisan S. Baheti, Program Director, Engineering Systems Program, National Science Foundation

9:30   Theodore Djaferis (University of Massachusetts, Amherst, CSS President) "The Power of Feedback"

10:00   Christos Cassandras (Boston University), "When Computers Control: Joys and Perils of Automation"

10:30   Mark Spong (University of Illinois, Urbana-Champaign), "Control in Mechatronics and Robotics"

11:00   **Passport Activity**

11:10   **Lunch Break**
Meet the Control Systems Society Board of Governors
David Castanon, General Chair of the CDC'07
James Spall, Program Chair of the CDC'07
John Baillieul, CSS Past President
Fahmida Chowdhury, Member of the CSS Committee on Control Education

12:00   P.R. Kumar (University of Illinois, Urbana-Champaign), "The Next Phase of the Information Technology Revolution"

12:30   Shane Haas (Goldman Sachs, New York) "Turning a Dollar into Billons"

1:00   Ivan Osorio (Kansas University Medical Center) and Mark Frei (Flint Hills Scientific, L.L.C.), "Application of Control Theory to the Problem of Epilepsy"

1:30   Passport Activity/Door Prizes/Evaluation of Workshop

2:00   Farewell

Sponsored by: National Science Foundation
Co-Sponsors: IEEE Control Systems Society, University of Kansas, Department of Mathematics