



Ideas and Technology of Control Systems

Tuesday, June 29, 2010

9:30 am – 6:30 pm

Grand Salon III, Baltimore Marriott Hotel*

10th Anniversary

This workshop is held in conjunction with the 2010 American Control Conference

<http://www.a2c2.org/conferences/acc2010/>

TENTATIVE PROGRAM

- 9:30** **Welcome**
Bozenna Pasik-Duncan, University of Kansas and Chair AACC, IEEE CSS and IFAC Control Education Committees
Roberto Tempo, Politecnico di Torino, Italy and President, IEEE Control Systems Society
Glenn Y. Masada, University of Texas, Austin and General Chair, 2010 ACC
Richard D. Braatz, University of Illinois, Urbana-Champaign and Program Chair, 2010 ACC
- 10:00** *Leveraging Partnerships to Enhance STEM Recruitment*
Darryll Pines, Farvardin Professor and Dean, A. James Clark School of Engineering, University of Maryland-College Park
- 10:30** *National Science Foundation Program Research Experience for Teachers*
Radhakisan S. Baheti, Program Director, NSF Engineering Division
- 11:00** *Turning a Dollar into Billions*
Shane Haas, Massachusetts Institute of Technology alumnus, NYC Bank
- 11:30** *Careers in Control and Robotics*
Mark Spong, Lars Magnus Ericsson Chair and Dean, Erik Jonsson School of Engineering and Computer Science, University of Texas-Dallas, Past President, IEEE CSS
- 12:15** **Lunch** (provided on site)
Demonstrations using LEGO NXT
Jeannie Sullivan Falcon, National Instruments and Vice Chair for Industry and Applications, 2010 ACC
- 1:30** *Control the Unstable: A Case Study in Fluid Flows*
Anuradha Annaswamy, Massachusetts Institute of Technology, General Chair, 2008 ACC
- 2:00** *Controlling Risk: The Importance of Information and the Importance of Mathematics*
John Baillieul, C.I.S.E. and Intelligent Mechatronics Laboratory, Boston University, Past President, IEEE CSS
- 2:30** *Filling a Need—Encouraging Girls to Engage in an Engineering Challenge*
Neville Jacobs, Project Manager for the Baltimore Robot Challenge
- 3:00** *Detection of Anomalies in the Brain*
Dominique Duncan, Doctoral Student, Yale School of Engineering and Applied Science, Participant of the First and All Previous Workshops
- 3:30** Discussion
Bozenna Pasik-Duncan, Moderator
- 4:30** *Human Postural Regulation*
William Levine, University of Maryland-College Park, Past President, IEEE CSS
- 5:00** **Dinner** (provided on site)
Workshop Evaluation and Closing Remarks
The Beauty, Excitement and Power of a Field that Spans Science Technology, Engineering and Mathematics (STEM)

Contact:
Organizing and Program
Committee
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University of Maryland:
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Carole Carey

Assistants to Chair:
Dominique Duncan
(Yale University)
Evelyn Forbes
(Parsons High School, KS)

*Baltimore Marriott Hotel, 700 Aliceanna St.