



## **Ideas and Technology of Control Systems** Tuesday, June 29, 2010

9:30 am – 6:30 pm

Grand Salon III, Baltimore Marriott Hotel\*

10<sup>th</sup> Anniversary This workshop is held in conjunction with the 2010 American Control Conference

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

## **TENTATIVE PROGRAM**

AACC	9:30	Welcome
		Bozenna Pasik-Duncan, University of Kansas and Chair IEEE CSS, AACC, and
Contact:		IFAC Control Education Committees
Organizing and Program		Roberto Tempo, Politecnico di Torino, Italy and President, IEEE Control Systems
Committee		Society
Bozenna Pasik-Duncan		Glenn Y. Masada, University of Texas, Austin and General Chair, 2010 ACC
Chair		Richard D. Braatz, University of Illinois, Urbana-Champaign and Program Chair
<u>bozenna@math.ku.edu</u>		2010 ACC
785-864-3651		
	10:00	Leveraging Partnerships to Enhance STEM Recruitment
University of Maryland:		Darryll Pines, Farvardin Professor and Dean, A. James Clark School of
John Baras		Engineering, University of Maryland-College Park
William Levine		
Steve Marcus	10:30	National Science Foundation Program Research Experience for Teachers
University of Kansas:		Radhakisan S. Baheti, Program Director, NSF Engineering Division
Tyrone Duncan		
National Science Foundation:	11:00	Turning a Dollar into Billons
Radhakisan S. Baheti		Shane Haas, Massachusetts Institute of Technology alumnus, NYC Bank
IEEE:		
Carole Carey	11:30	Careers in Control and Robotics
		Mark Spong, Lars Magnus Ericsson Chair and Dean, Erik Jonsson School of
Assistants to Chair:		Engineering and Computer Science, University of Texas-Dallas, Past President,
Dominique Duncan		IEEE CSS
(Yale University)		
Evelyn Forbes	12:15	Lunch (provided on site)
(Parsons High School, KS)		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 Mechatonics 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)

\*Baltimore Marriott Hotel, 700 Aliceanna St.