



Ideas and Technology of Control Systems Tuesday, December 14, 2010

Tuesday, December 14, 2010 9:30 am – 3:00 pm Salons A-C, Hilton Atlanta Hotel*

AACC	10 th Aminorcom	
Contact:	10 th Anniversary This workshop is held in conjunction with the 2010 IEEE Conference on Decision and Control <u>2010 IEEE Conference on Decision and Control</u>	
Organizing and Program Committee Bozenna Pasik-Duncan Co-Organizer <u>bozenna@math.ku.edu</u> University of Kansas 785-864-3651 Bonnie Ferri Co-Organizer <u>bonnie.ferri@ece.gatech.</u> <u>edu</u> Georgia Tech 404-894-3145	PROGRAM	
	9:30	Welcome Bozenna Pasik-Duncan, University of Kansas and Chair AACC and IEEE CSS Control Education Committees Bonnie Ferri, Georgia Institute of Technology Roberto Tempo, Politecnico di Torino, Italy and President, IEEE Control Systems
		Society Mark Spong, Lars Magnus Ericsson Chair and Dean, Erik Jonsson School of Engineering and Computer Science, University of Texas, Dallas and General Chair, 2010 CDC Careers in Control and Robotics
Georgia Tech: Leyla Conrad University of Kansas: Tyrone Duncan Assisted by: Kristin Anderson, Georgia Tech Katrina Legursky, University of Kansas	10:10	Joys and Perils of Automation Christos Cassandras, Head, Division of Systems Engineering and Professor of Electrical and Computer Engineering, Boston University, President Elect, Control Systems Society
	10:30	Synthetic Biology and Biomolecular Programming Richard Murray , Everhart Professor of Control and Dynamical Systems and Bioengineering, California Institute of Technology
	10:50	<i>Robotic Science Explorers for Understanding Climate Change</i> Ayanna Howard , Associate Professor, School of Electrical and Computer Engineering, Georgia Institute of Technology
Registration contact: Gloria Prothe <u>kumath@math.ku.edu</u> Department of Mathematics University of Kansas 1460 Jayhawk Boulevard	11:10	Demonstrations using LEGO NXT Meghan Kerry, Product Marketing Engineer, National Instruments
	11:30	Interactive Demos of Control Systems Bonnie Ferri, Professor, School of Electrical and Computer Engineering, Georgia Institute of Technology
Lawrence, KS 66045 785-864-3651	11:50	Lunch (provided on site)
785-864-5255 FAX	12:40	Control the Unstable: A Case Study in Fluid Flows Anuradha Annaswamy, Senior Research Scientist, Massachusetts Institute of Technology
	1:00	Energy Management in Homes and Commercial Buildings Datta Godbole, Lab Director, Honeywell Labs
	1:20	<i>Flying Robots on Stage—Control and Learning for Aerial Acrobatics</i> Angela Schöllig , Doctoral Student, Institute for Dynamic Systems and Control, ETH Zurich, Switzerland
	1:40	<i>Typical Day at Sea? A Venture into the World of Autonomous Sailing</i> Katrina Legursky , Doctoral Student, Aerospace Engineering, University of Kansas
	2:00	Food Processing Controls Doug Britton, Sr. Research Engineer, Georgia Tech Research Institute
	2:20	Wiimotes and Rocket Ships – Learning to Engineer and to Make Problems Simple Leor Grebler, Academic Solutions Advisor, Quanser Amirpasha Javid, Research & Development Engineer, Quanser
	2:40	Discussion, Workshop Evaluation and Closing Remarks Bozenna Pasik-Duncan and Bonnie Ferri

*Hilton Atlanta, 255 Courtland Street NE, Atlanta, GA - (404) 659-2000