



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

| 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 |
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| | 4:30 | Human Postural Regulation |
| | | William Levine, University of Maryland-College Park, Past President, IEEE CSS |
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| | 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) |
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*Baltimore Marriott Hotel, 700 Aliceanna St.