**Ideas and Technology of Control Systems Workshop**

**for High School Students and Teachers**

**2012 IEEE MSC, Dubrovnik, Croatia**

**October 2, 2012**

**Organizer and Chair**: Bozenna Pasik-Duncan, Chair, IEEE CSS and AACC Technical Committees on Control Education, University of Kansas

**Program:**

**Opening Session:** Stjepan Bogdan, General Chair, 2012 IEEE MSC, University of Zagreb and Representative of Dubrovnik School District

**Part I:**

"Mathematical Modeling of Engineering Systems; Applications in Water Distribution Systems", Iven Michiel Yvonne Mareels, University of Melbourne, Australia

"Mathematical Modeling of Stochastic Systems; Applications in Finance and Brain," Dominique Duncan, Yale University and Bozenna Pasik-Duncan, University of Kansas, USA

**Part II:**

Practical Demonstrations and Interactive Session with Ph. D Students of Stjepan Bogdan, General Chair, 2012 IEEE MSC, University of Zagreb, Croatia