

Wednesday, August 9, 2006

8:30 – 17:30

Hall K

**Symposium on Computer Science, BioInformatics & Engineering Cybernetics**

Chairs: Prof. Vladimír Mařík, Czech Technical University of Prague, Czech Republic  
Prof. Peter Bodorik, Dalhousie University, Halifax, Nova Scotia, Canada

**Network Coding and Averaging in Congestion Control (Invited Paper)**

by Dr. Alexandru Murgu, BT Network Research Centre, Ipswich, United Kingdom

**Industrial Applications of Agent-Based Systems – (Keynote Address)**

by Prof. Vladimír Mařík, Czech Technical University of Prague, Czech Republic

**Application of Uncertain Variables to Control in Computer Networks**

by Dr. Magdalena Turowska, Wrocław Technical University, Wrocław, Poland

**Application of Uncertain Variables in Decision Problems for Complex of Operations**

by Dr. Donat Orski, Wrocław Technical University, Wrocław, Poland

**Application of Entropy as a Theoretical Measure of Information  
for Supplier–Customer Systems Complexity Analysis.**

by Dr. Ladislav Lukaš, University of West Bohemia in Pilsen, Czech Republic.

**Privacy Compliance in Service–Oriented Architectures – (Keynote Address)**

by Prof. Peter Bodorik, Dalhousie University, Halifax, Nova Scotia, Canada and  
Prof. Dawn Jutla, Saint Mary's University, Halifax, Nova Scotia, Canada

**Applied & Computational Category Theory: Its Origins & Perspectives (Keynote Address)**

by Prof. Jochen Pfalzgraf, University of Salzburg, Austria

**Lunch Break 12:00-14:00**

**Thirty Years of Endeavor on Numerical Simulation of Molecular Dynamics (Keynote Address)**

by Prof. Maurizio Bottoni, IIAS, Italy

**Aligning Anatomical Ontologies: The Role of Complex Structural Rules**

by Dr. Songmao Zhang, Chinese Academy of Sciences, Beijing, P. R. China, and  
Dr. Olivier Bodenreider, National Institute of Health, Bethesda, Maryland, USA

**Computer Mediated Communication and Identity**

by Dr. Izidor Golob<sup>1</sup>, Peter Lah<sup>2</sup>, Tatjana Welzer<sup>1</sup>,  
<sup>1</sup>University of Maribor, Slovenia; <sup>2</sup>St. Luis University, USA

**Sheer Simultaneity: Fractal Time Condensation**

by Dr. Susie Vrobel, The Institute for Fractal Research, Kassel, Germany

**Some View on Systems and Mathematical Models – (Keynote Address)**

by Prof. Constantin Corduneanu, University of Texas at Arlington, TX, USA

**Parameter Analysis of SOM Stability**

by Prof. Yuichi Kobuchi, Ryukoku University, Seta, Japan

**The 3D Motion Analysis System Based on Kinematics**

by Prof. Ching-Sheng Wang, Aletheia University, and Dr. Lun-Ping Hung,  
Northern Taiwan Institute of Science & Technology, Taipei, Taiwan