

Thursday, August 4, 2005

8:30 – 13:00

Hall C

Symposium on Control Systems & Engineering Cybernetics - Keynote Addresses

Joint Chair: Prof. Vladimír Mařík, Czech Technical University of Prague, Czech Republic
Prof. Maria E. Balogh, Portland State University, Portland, Oregon, USA

**Shunt Active Power Filter Based on D-Q Reference Frame Control Strategy
For Power Distribution System Quality Control**

by Profs. A. A. Mansour¹, A. M. Zaki¹, O. A. Mahgoub², and E. E. Abu-Elzahab²
¹Electronics Research Institute, Cairo, Egypt: ²Cairo University, Giza, Egypt

**Sensorless Control of Surface-Mounted PMSM Based on EMF Extraction
and Extended Kalman Estimator**

by Prof. Mona N. Eskander*, Prof. Osama A. Mahgoub**, and Dr. Osama M. Arafa*,
*Electronics Research Institute, **Faculty of Engineering, Cairo University, Egypt

Melodic Gesture Generation through Granular Synthesis Algorithmic Control

by Dr. Jose Manuel Mondragón-Cruz, Centre for Applied Sciences & Technological Development,
National University of Mexico (UNAM), Mexico DF, Mexico

**The Impact of Advanced Secondary Memory Development on Computer Science, in general
and on Artificial Intelligence, in particular.**

by Mr. Frank Scurio and Prof. Winfried K. Rudloff, Governors State University, Univ. Pk., IL. USA.

Application of Uncertain Variables in Learning Algorithms for Uncertain Systems

by Prof. Z. Bubnicki, Wroclaw University of Technology, Wroclaw, Poland

Population Learning Algorithm and Its Applications

by Prof. Piotr Jędrzejowicz, Gdynia Maritime University, Gdynia, Poland

Iterative Learning Control for Multiscale Aggregated Processes in IP Networks

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

Character Recognition by Modelling and Using Neural Network Techniques

by Dr. S. K. Bhattacharyya, Supercomputer Education & Research Centre,
Indian Institute of Science, Bangalore, India

Patterns for Grid Environment

by Drs. Aida Kamišalić, Tatjan Welzer, Marjan Heričko, Izidor Golob, Boštjan Brumen,
University of Maribor, Maribor, Slovenia

Additive Self-Organizing Systems and Their Stability

by Prof. Youichi Kobuchi and Dr. Masataka Tanoue, Ryukoku University, Seta, Japan

Conflicts among Systems: Conceptual Representation

by Dr. Karl Erich Wolf, Darmstadt University of Applied Sciences, Darmstadt, Germany

Industrial Adoption of Agent-Based Technology

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