

Tuesday, August 3, 2004

08:30 – 17:00

Hall C

Symposium on AI & Engineering Cybernetics: Database and Expert Systems

Chair: Prof. Vladimír Mařík, Czech Technical University of Prague, Czech Republic, and
Prof. Z. Bubnicki, Wrocław University of Technology, Wrocław, Poland

Agent-Technology for Manufacturing (Keynote Address)

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

Recursive Algorithm for Initial Load Planning in Commissioning Systems (Invited Paper)

by Dr. Alexander Lavrov, Fraunhofer Institute for Industrial Mathematics, Kaiserslautern, Germany

Analysis of Active Response in the Immune System with Computer Network Consideration

Keynote Address by Profs. V. A. Skormin, D. H. Summerville, O. I. Shirayeva, J.S. Moronski,
Binghamton University, Binghamton, NY, United States

Pattern Matching Techniques Applied to Biomedical Signal Processing (Invited Paper)

by Drs. David Cuesta-Frau¹, Pau Micó-Tormos¹, Daniel Novak², Mateo Aboy³

¹Polytechnic University of Valencia, Alcoi, Spain; ²Czech Techn. University of Prague, Czech Rep.,

³Portland State University, Portland, Oregon, USA

A Systemic Approach to Collective Meme Definition (Keynote Address)

by Prof. Felipe Lara-Rosano, National University of Mexico (UNAM), Mexico City., Mexico

LUNCH BREAK 12:00 – 14:00

Topographic Mappings Realized by SOM Algorithms (Keynote Address)

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

Systematic Divide and Conquer in Modular Neural Network Designs (Keynote Address)

by Prof. Gasser Auda, American University of Sharjah, Sharjah, U.A.E

An Advanced Data Mining Approach to Estimation of Energy Consumption (Invited Paper)

by Drs. B. Bruman¹, M. Jarušovec², T. Welzer¹, H. Jakkola³, L. Lhotska⁴ - ¹University of Maribor,

² Elektro Maribor, Slovenia; ³Tampere Univ. of Technology, Pori, Finland

⁴Czech Technical University in Prague, Czech Republic

Information Quality Assurance for Data Warehouses (Invited Paper)

by Drs. Izidor Golob¹, Robert Wrembel², Orlando Belo³, Tatjana Welzer¹, Aida Kamišalic¹,

¹University of Maribor, Slovenia, ² Poznan University of Technology, Poznan, Poland

³University of Minho, Portugal

Content-Based 3D Object Retrieval on VRML Database (Invited Paper)

by Dr. Ching-Sheng Wang, Aletheia University, Tamsui, Taipei Hsien, Taiwan, R.O.C.

Knowledge Acquisition from Trajectories (Invited Paper)

by Prof. Tadashi Ae and Dr. Keiji Otaka, Hiroshima University, Hiroshima, Japan