

Tuesday, July 29, 2008

09:00-18:00

Hall B

## **Special Focus Symposium on Engineering and Management of IT-based Organizational Systems: *A Systems Approach***

Co-Chairs: Professor Miroljub Kljajic, University of Maribor, Slovenia,  
Assoc. Prof. Manuel Mora, Autonomous Univ. of Aguascalientes, México,  
Prof. Ovsei Gelman, Universidad Nacional Autónoma de México, México

### **A Mediator for BioSpatial Information Systems**

A. Alcántara<sup>1</sup>, C. Alegría<sup>1</sup>, A. L. Ávila<sup>1</sup>, R. Barrera<sup>1</sup>, D. Esparza<sup>1</sup>, A. D. Hernández<sup>1</sup>, I. Rivera<sup>2</sup>,  
<sup>1</sup>CCADET, Univ. Nacional Autónoma de México; <sup>2</sup>CIC, Instituto Politécnico Nacional, México

### **Service-Based Infrastructures for New Generation of Interactive Territorial Management Systems**

Giuseppe Conti, Raffaele De Amicis, Stefano Piffer, Bruno Simoes, Fondazione Graphitech, Italy

### **The Problem of Traceability and its Handling in Complex Decision Processes**

Carolin Hürster, Univ. of Ulm, and Hannes Omasreiter, Thilo Schwinn, Daimler AG, Germany

### **Software Selection in Manufacturing Industries Using a Fuzzy Multiple Criteria Decision Making Method, PROMETHEE**

R. Venkata-Rao, S. V. National Institute of Technology, India

### **Self-Organizing Map and Concept**

Tadashi Ae, and Kazumasa Kioi, Hiroshima Institute of Technology, Japan

### **Multi-objective Optimization of Electro-chemical Machining Process Parameters Using a Soft Computing Technique**

P.J. Pawar, and R. Venkata-Rao, S. V. National Institute of Technology, India

## **LUNCH BREAK 12:00 – 14:00**

### **Significance of Simulation & Systems Approach Methodology in Development of Complex Systems**

Miroljub Kljajic, University of Maribor, Slovenia

### **Simulation Aided Anticipation of Intelligent Systems Behavior**

Eugene Kindler, and Ivan Krivy, University of Ostrava, Czech Republic

### **System Approach to Determination of Control Strategy in Hierarchical Manpower System**

Andrej Skraba, Miroljub Kljajic, Davorin Kofjac, and Mitja Obed, University of Maribor, Slovenia

### **The Development of Organic Agriculture Model – a System Dynamics Approach to Support Decision Making Processes**

Črtomir Rozman, Andrej Škraba, Miroljub Kljajic, Karmen Pažek, Martina Bavec, and Franci Bavec, University of Maribor, Slovenia

### **Implications for Development Lifecycles of IT-based Organizational Systems from SE and SWE Process Standards/Models using Theory of Systems**

Manuel Mora<sup>1</sup>, Ovsei Gelman<sup>2</sup>, and Jorge Macías-Luévano<sup>1</sup>, <sup>1</sup>Autonomous University of Aguascalientes, México; <sup>2</sup>CCADET, Universidad Nacional Autónoma de México, México.

### **Semantic Web Services Process Mediation using WSMX Concepts**

Tariq Mahmoud, and Jorge Marx-Gómez, University Oldenburg, Germany

### **Four Ways to Represent Computer-Executable Rules**

Jeffrey G. Long, USA

## **Round Table Discussion**