

Wednesday, August 1, 2007

10:00 – 18:00

Hall J

**Symposium on Multiagent Systems, Robotics and Cybernetics:**  
**Theory and Practice**

Chair: Professor Jochen Pfalzgraf, University of Salzburg, Austria

**Morning Session 10:00 – 12: 00**

*Welcome and Opening Talk:*

**The Base Diagram of a Multiagent System:**

**A Categorical Model of the General Communication Structure**

Prof. J. Pfalzgraf (Symposium Chairman), University of Salzburg, Austria

**Formal Analysis of Algebraic Higher-Order Nets Modelling Flexible Processes  
in Mobile Ad-Hoc Networks**

Univ.-Doz. J. Padberg, Technical University of Berlin, Germany

**A Formal Approach to Agent-based Knowledge Representation and Reasoning  
Using Default Rules**

Prof. C. Beierle, FernUniversität in Hagen, Germany

**LUNCH BREAK 12:00 – 14:30**

**Afternoon Session 14:30 – 18:00**

**From Agent Oriented Abstraction to Decision Making  
Under Uncertain Knowledge**

Prof. J. Calmet and Dipl.-Inf. Yi Yang, University of Karlsruhe, Germany

**The Cognitive Factory: A Research Platform for Cognitive Automation Systems**

Prof. M.F. Zäh and Dipl.-Ing. W. Vogl, Technical University of Munich, Germany

**Coffee Break 16:00 – 16:30**

**Norms for Modeling Agents Interactions in Ubiquitous Environments**

Prof. G. Kotsis and I. Khalil Ibrahim, University of Linz, Austria

**Challenges Toward Adaptive Behavior of Distributed Multimedia Systems**

Prof. H. Hellwagner, University of Klagenfurt, Austria

Thursday, August 2, 2007

10:00 – 17:00

Hall J

**Symposium on Multiagent Systems, Robotics and Cybernetics:  
Theory and Practice**

Chair: Professor Jochen Pfalzgraf, University of Salzburg, Austria

**Morning Session 10:00 – 12:00**

**Simulation of Multiagent Systems with SeSAM**

Dr. F. Klügl, University of Würzburg, Germany

**Unconscious Representation Changes While Problem Solving**

Prof. L. de Ledesma Otamendi, Technical University of Madrid, Spain

**WebOrigami: A System for Origami Construction and Proving on the Web**

Prof. Tetsuo Ida and Asem Kasem and Hidekazu Takahashi, University of Tsukuba, Japan

**LUNCH BREAK 12:00 – 13:30**

**Afternoon Session 13:30 – 17:00**

**Flexible and Adaptive Process-Oriented Information Systems: Challenges and Solutions**

Prof. P. Dadam, University of Ulm, Germany

**Efficient Scheduling and Planning of Robots in Assembly Lines**

Prof. D. Alcaide López de Pablo, University of La Laguna, Tenerife, Spain, and Prof. E. Levner, Holon Institute of Technology, Holon, Israel, and Prof. V. Kats, Institute of Industrial Mathematics, Beer-Sheva, Israel

**Coffee Break 15:00 – 15:20**

**Intelligent Networks and Security Structures (INESS) - Strategic Management and Process Optimization within International Resource Conflicts**

Prof. S. Pickl, Universität der Bundeswehr, Munich, Germany

**Selected Topics on Automated Reasoning**

Prof. R. Caferra, Leibniz-IMAG, University of Grenoble, France

**CONCLUDING the Symposium**