CMS'05 Special Session on

Knowledge Engineering - Methods and Applications

organized by

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Knowledge Engineering: Logics, Languages, Ontologies

- Grazyna Brzykcy, Adam Meissner, Poznan University of Technology, Poland,
 A parallelisation of an inference process for Description Logics with ALCN language
- Jacek Martinek, Jolanta Cybulka, Poznan University of Technology, Poland,
 A knowledge base representing dynamics of legal provisions
- Tadeusz Pankowski, Poznan University of Technology, Poland,
 XML schema mappings based on key constraints and Skolem functions

Knowledge Engineering: Rule-Based and Expert Systems

- Grzegorz Glowaty, AGH University of Science and Technology, Cracow, Poland
 Fuzzy sets based effective storage and query mechanism for historical dates with use of relational database
- Krzysztof Goczyla, Teresa Grabowska, Wojciech Waloszek, Michal Zawadzki, Gdansk University of Technology, Poland
 - **Processing and Querying Description Logic Ontologies**
- Beata Jankowska, Magdalena Szymkowiak, Poznan University of Technology, Poland, Knowledge acquisition to medical expert systems
- Grzegorz J. Nalepa, AGH University of Science and Technology, Cracow, Poland
 Rule-Based Systems Design and Implementation. Methodologies and Technologies _
- Marcin Szpyrka, AGH University of Science and Technology, Cracow, Poland
 Adder Designer Tools for Modelling and Analysis of Rule-based Systems
- W. Turek, D. Czyrnek, R. Marcjan, K. Cetnarowicz, AGH University of Science and Technology, Cracow, Poland
 RoBoss - an universal tool for robots modelling and simulation

Knowledge Engineering: Fuzzy and Temporal Formalisms

- Maria Antonina Mach, Wroclaw University of Economics, Poland,
 Analysing Economic Environment with Temporal Intelligent Systems: the Union of Economic and Technical Perspectives
- Maroua Bouzid GREYC, Caen, France, Antoni Ligeza, AGH University of Science and Technology, Cracow, Poland
 - Algebraic Temporal Specifications with Extended TUS. Crisp and Fuzzy Case