Conference venue

Hotel Novotel Bronowice
Kraków, ul. Armii Krajowej 11

Conference fee

550 PLN per person, covers participation, proceedings, lunches, coffee breaks and conference dinner

Organizing Committee

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Mieczysław Zaczyk, AGH UST Kraków

Important dates

May 15, 2009   registration and submission of extended abstracts (at least 2 pages), submission through EasyChair, link and instructions on the conference web site

June 30, 2009   notification of acceptance

September 30, 2009   full paper submission

Contact

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CMS'09

Kraków, November 26-27, 2009

Computer Methods and Systems

organized by

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Call for papers

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Andrzej Turnau, AGH UST, Kraków
Kazimierz Wiatr, AGH UST, Kraków
Jan Zabrodzki, Warsaw Univ. of Technology

Workshop on Knowledge Engineering and Intelligent Systems
organizers: Antoni Ligęza and Grzegorz J. Nalepa

- artificial intelligence
- intelligent systems
- knowledge engineering
- rule-based systems and business rules: design, tools, implementation, applications, verification
- knowledge representation, reasoning and management
- semantic web technologies
- semantic wikis and social networks
- ontologies in practical knowledge engineering
- database and knowledge base management in AI systems
- design, evaluation and verification of intelligent systems
- practical tools for intelligent systems
- declarative, logic-based approaches, tools and applications
- Prolog, logic programming, practical applications
- constraint programming, constraint problem solving, constraint logic programming
- inductive logic programming
- knowledge discovery and data mining
- knowledge visualization
- logic for artificial intelligence
- attributive logics, description logics
- web intelligence, web mining, web services
- ontologies in practical knowledge engineering
- intelligent agent technology
- intelligent information systems, decision support systems
- spatial and temporal knowledge representation and inference
- Geographical Information Systems (GIS)

Workshop on Mathematical Modelling, Control and Optimization
organizers: Adam Korytowski and Wojciech Mitkowski

- modelling of discrete and continuous systems
- dynamic optimization
- mathematical methods in optimal control
- distributed parameter systems
- stability and sensitivity analysis
- optimization of switched systems
- algorithms of nonlinear optimization
- discrete optimization
- stochastic optimization

Workshop on Scientific and Engineering Computing
organizers: Maciej Szymkat and Andrzej Turnau

- numerical methods and algorithm development
- analytical approaches and computer algebra systems
- MATLAB problem solving environment
- visualization and computer graphics
- neural networks and fuzzy logic systems
- multi-domain simulation
- applications in genetics, biology and medicine
- rapid prototyping and hardware-in-the-loop simulation
- automatic code generation and cosimulation
- physical modelling for electronics, mechanics and power systems
- DSP algorithms and applications
- image processing and recognition

Publication

Conference proceedings will be published by ONT as a book (ISBN 83-916420-5-4) and in electronic form.

Selected papers will be recommended for publication in *International Journal of Applied Mathematics and Computer Science.*