

**XIII INTERNATIONAL  
CONFERENCE - SYSTEM  
MODELLING and CONTROL  
SMC'2009**

**OCTOBER 12-14, 2009  
ZAKOPANE, Poland**

***Under honorary patronage of***

**Prof. S. Bielecki –Rector  
Technical University of Lodz**

**Prof. E. Kaçki – Rector  
The College of Computer Science, Lodz**

***the Conference is jointly organised by***

- **Institute of Computer Science,  
Technical University of Lodz, Poland**
- **Institute of Mechatronics and  
Information Systems, Technical  
University of Lodz, Poland**

***in cooperation with***

- **The College of Computer Science, Lodz,  
Poland**
- **Polish Cybernetics Society**
- **Polish Society of Medical Informatics**

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**ADDRESSES FOR CORRESPONDENCE**

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**SMC'2009 Organising Secretariat**

Institute of Mechatronics  
and Information Systems  
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**SMC'2009 Scientific Secretariat**

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**USEFUL Information**

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<http://www.hotelwersal.pl/>  
<http://www.zakopane.pl/>



**SMC'09**

**XIII INTERNATIONAL  
CONFERENCE**

***on***

**SYSTEM MODELLING  
and CONTROL**



**First Announcement and Call for Papers  
OCTOBER 12-14, 2009  
Zakopane, Poland**

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## INTERNATIONAL STEERING COMMITTEE

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R. Kulikowski (Poland)	J. Zurada (USA)
M. Kurzynski (Poland)	

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## HONORARY COMMITTEE

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Professor Edward Kącki - *Chairman and Founder of SMC Conference*

- **Aniela Bednarek** – Chancellor of the College of Computer Science, Lodz, Poland
- **T. Kaczorek** (Poland)

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## ORGANISING COMMITTEE

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M. Dems (Chairman) - TUL, Poland  
K. Smółka (Vice Chairman) - TUL, Poland  
P. Lipiński - TUL, Poland  
W. Józwa - TUL, Poland  
A. Tatarowska - TUL, Poland  
W. Gątecka – TUL, Poland

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## AIM and TOPICS

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### Objectives

The objective of the International Conference is to establish and try to consolidate a preferred forum where the specialists of control systems, software engineers, mathematicians and IT communities meet together to present and discuss the new developments.

The main targets of this Conference can be briefly summarized: to review, present and discuss the innovation in the Modeling, Measurement, Control Systems and Simulation Methods.

**System Modelling Control (SMC)** is a periodic international conference whose scope covers systems theory, modelling, simulation, diagnosis, control, signal and image processing, as well as their applications.

The aim of the Conference is to bring together scientists dealing with the above mentioned fields, to help exchange information on dominant trends as well as on current research projects carried out in these disciplines throughout the world, to motivate pursuit of new research challenges, and to offer possibilities for new contacts that encourage collaboration and may give rise to joint applications for European and domestic scientific grants.

The Conference covers a wide spectrum of topics in three thematic areas like, **SYSTEMS MODELLING** and **CONTROL**. There will be Oral and Poster communications as well as Plenary Conferences presented by specialists of the academic and industrial world with recognized competence in these fields. These three areas include among other, the following topics:

#### Area 1: SYSTEM

- > System research
- > Signal and image processing
- > Coupled systems and special applications
- > Intelligent hybrid systems
- > Integrated information systems (Data Base and Expert Systems)
- > E-learning systems
- > Web-based information systems

#### Area 2: MODELLING

- > Modelling and simulation methodology
- > Computational intelligence
- > Software engineering
- > Optimization and computer interactive design, software methodology
- > Visualization methods and tools
- > Application of artificial intelligence in computer systems modeling
- > Nano and micro systems modelling
- > Algorithms and Numerical Techniques
- > Evolutionary algorithms

#### Area 3: CONTROL

- > Control and diagnosis
- > Intelligent control (neural networks and fuzzy systems)
- > Digital signal processing
- > Computer based control systems

Particular attention is focused on the applications of computer science in terms of its methods to:

- ♦ engineering
- ♦ biomedicine
- ♦ education
- ♦ ecology
- ♦ economics

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## Structure of the Conference

*The Conference will run according to the following structure:*

- Invited oral plenary sessions
- Oral Sessions
- Poster Sessions

**The tentative participation fee** will be approximately **450 Euro**. The participation fee will cover the admission in the Conference with one paper, lunches and coffee breaks during the Conference, Conference Proceedings, Welcome Cocktail and Gala Dinner, and accommodation (2 nights).

**ENGLISH** will be the official language of Symposium. Only original and previously unpublished papers will be presented at the Conference.

For details visit SMC'2009 website:  
<http://www.imsi.pl/smc2009>

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## About VENUE- ZAKOPANE



**SMC'2009** will be held in the **Hotel Wersal** offering world-class facilities and services, lies amidst the Centre of Zakopane.

Zakopane is the picturesque resort deservedly called the capital of the high Polish Tatra Mountains, very attractive for tourists all the year round. It is a convenient starting point for numerous exceptionally beautiful mountain trips. The town itself also provides all kinds of entertainment to make the stay there enjoyable for everybody.

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## DEADLINES

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- May 31, 2009** Receipt of **two-page** digests by e-mail to [office@ics.p.lodz.pl](mailto:office@ics.p.lodz.pl) or by portal ([website SMC'2009](http://www.imsi.pl/smc2009))
- June 30, 2009** Notification of acceptance of digests and information on the preparation of manuscripts.
- July 30, 2009** Receipt of final manuscripts
- September 15, 2009** Final programme.

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## PUBLICATION – Symposium Issue

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All papers accepted for presentation at the SMC'2009 will be published in the Conference Proceedings. Selected papers, presented at the Conference, after reviewing process and improved (if required) will be published in Monograph either by Springer or IOS Press, Polish Journal of Environmental Studies and JACS Journal.