

FIRST CALL FOR PAPERS INTERNATIONAL CONFERENCE ON MAN-MACHINE INTERACTIONS ICMMI 2011

October, 06 – 09, 2011

The Beskids, Poland

<http://icmmi.polsl.pl>



Organiser:

Institute of Informatics
Silesian University
of Technology
Gliwice, Poland



Co-organiser:

Institute of Theoretical
and Applied Informatics
Polish Academy of Sciences
Gliwice, Poland

About the conference

Machines have become an indispensable part of a man's life. Some say that humans are enslaved to modern technology and reject progress on principle, while fanatics of new trends simply must have not only the latest useful tools but every gadget as well. We see machines used in daily routines or in research, to make coffee, to save lives, to study secrets of DNA on the micro, and for space travels on the macro scale. The aim of the Conference is to bring together scientists interested in all aspects of theory and practice of man-machine interactions, providing an international forum for exchanging ideas, setting questions for discussion, and sharing the experience.

Topics (included, but not limited to):

Computational intelligence

fuzzy sets, rough sets, near sets, intelligent systems, evolutionary computation, neural networks, granular computing, soft computing and soft control

Pattern recognition

computer vision and graphics, image recognition, image processing, topology of images, recognition and processing of audio signals

Data processing, storage and transfer

data warehouses and databases, data retrieval, data mining, communication systems and computer networks, multimedia systems, microcontrollers and microsystems, compression techniques

AI and simulations in biosciences

bioinformatics and population genetics, biostatistics, microarray data analysis and processing, modelling of biological processes, telemedicine and e-health, mechatronics and bio-mechatronics, bio-sensors

Decision support

knowledge acquisition, case-based reasoning, advances in expert systems, autonomous agents, support vector machines, man-machine automation

Assistive technologies

e-learning for disabled, accessible computer hardware and software, robots and devices for disabled, accessible Internet, adaptive and intuitive interfaces

Publication:

All accepted papers will be published in the conference proceedings by Springer-Verlag in *Advances in Intelligent and Soft Computing*. Manuscripts must be prepared with LaTeX2e (use Springer class SVMult.cls) and are limited to 8 pages. Some number of presented papers will be selected for publication in refereed international technical and scientific journals.



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Important dates:

Full paper submission	February 13, 2011
Notification of acceptance	April 30, 2011
Final paper submission	May 15, 2011
Registration and fee due	May 15, 2011
Photos submission	August 31, 2011