



INTERNATIONAL WORKSHOP ON SOFT COMPUTING FOR KNOWLEDGE TECHNOLOGY

In Conjunction with [PRICAI-2008](#), Hanoi, Vietnam, December 15-19, 2008

Workshop Organizers:

Hung Son Nguyen (Warsaw University, Poland)

Van Nam Huynh (JAIST, Japan)

Invited Speaker:

Andrzej Skowron (Warsaw University, Poland)

Program Committee:

- Krzysztof Dembczynski (Poznan Univ. of Tech., Poland)
- Quang Thuy Ha (VNU-Hanoi, Vietnam)
- Masahiro Inuiguchi (Osaka University, Japan)
- Yasuo Kudo (Muroran Inst. of Tech., Japan)
- Tianrui Li (Southwest Jiaotong University, China)
- Tetsuya Murai (Hokkaido University, Japan)
- Hung T. Nguyen (NM State University, USA)
- James Peters (University of Manitoba, Canada)
- Vladik Kreinovich (Univ. Texas at El Paso, USA)
- Dominik Slezak (Infobright, Canada)
- Zbigniew Suraj (Rzeszow University, Poland)
- Marcin Szczuka (Warsaw University, Poland)
- Shusaku Tsumoto (Shimane Medical Univ., Japan)
- Guoyin Wang (Chongqing Univ. of Post and Telecommunication, China)
- Hui Wang (University of Ulster, UK)

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OBJECTIVES AND TOPICS

Bringing the results of Artificial Intelligence research into applications in information technology and industry is one of the key aims of the Knowledge Technology. This wide research discipline refers to a collection of tools including methods and software enabling better representation, organization and exchange of three concepts such as data, information and knowledge. Knowledge technology is related to many research areas including knowledge representation, knowledge acquisition and discovery from data, information retrieval, agent technology, semantic webs, among others.

Many efforts of researchers have been made to intensively investigate and develop efficient methods for knowledge technology. In this Workshop, more focus will be put on soft computing techniques and methods for knowledge technology, which would include main constituents of fuzzy logic, rough set theory, probabilistic and evidential reasoning, neural networks, and evolutionary algorithms as well as their hybrids. The Workshop aims at providing a forum for exchanges of ideas and research results as well as for fostering interaction and discussion among all participants on related fields of research and their practical applications.

Topics of interest include (but are not limited to):

- Automated Reasoning
- Computational Intelligence
- Concept Formation and Learning
- Conceptual Maps
- Data Mining
- Evolutionary Computing
- Formal Concept Analysis
- Fuzzy Sets
- Granular Computing
- Knowledge Engineering
- Knowledge Retrieval
- Knowledge Theory
- Molecular and Quantum Computing
- Neural Computing
- Rough Sets
- Applications

PAPER SUBMISSION

Potential authors are invited to submit their abstract by **August 20, 2008** and the full papers by **October 1, 2008**. The submissions will be evaluated by Workshop PC members for scientific quality and for relevance to the Workshop.

Submissions should include abstract, 5-10 keywords, the e-mail address of the corresponding author, and must not exceed 15 pages, including tables and figures, with PDF format. Submission of a paper should be regarded as an undertaking that, should the paper be accepted, at least one of the authors must attend the conference to present the work. The final version of an accepted paper will be restricted to be around 12 pages with Springer's Lecture Notes format.

All accepted papers will be available online for free download. After the Workshop, the authors of selected papers will be invited to submit extended versions of their works for consideration in a special issue of an international journal (pending).

IMPORTANT DATES

Deadline for abstract submission: **August 20, 2008.**

Deadline for paper submission: **October 1, 2008.**

Notification of acceptance/rejection: **October 25, 2008.**

Deadline for the final camera-ready: **November 5, 2008.**

[Http: //roughsets.home.pl/www/SOFTCOMP/](http://roughsets.home.pl/www/SOFTCOMP/)