



CALL FOR PAPERS
SPECIAL SESSION ON

"Knowledge Engineering for Decision Support Systems"
for CoDiT'18

April 10-13, 2018 – Thessaloniki, Greece

Session Co-Chairs :

Prof. Dr. Abdel-Badeeh Salem , Ain Sham University, Cairo, Egypt

Prof. Dr. Francesco Sicurello, University of Milan Bicocca, Italy

Prof. Dr. Anna Sotysik-Piorunkiewicz, University of Economics in Katowice, Poland

Prof. Dr. Liliana M. Moga ,Dunarea de Jos University of Galati, Galati, Romania

Session description

Knowledge engineering (KE) deals with the development of intelligent information systems in which knowledge and reasoning play pivotal role. KE is a subfield of artificial intelligence (AI) and includes: knowledge acquisition, knowledge-based systems, knowledge compilation, shells and tools, methodologies, modeling, knowledge management, knowledge discovery, and knowledge representation. This special session is devoted to discussion of current research of the AI techniques and knowledge engineering methodologies for developing intelligent Decision Support Systems. The goal is to provide a forum for the exchange of ideas between decision makers , computer scientists, and knowledge engineers to address the important issues in these areas.

The topics of interest include, but are not limited to:

Relevant intelligent techniques and systems: Machine learning, Inference and reasoning techniques, Natural language processing, Multi-agent Systems, Expert Systems, Data mining techniques, Intelligent Shells and tools.

Knowledge and ontological engineering: Knowledge representation and management, Knowledge discovery, Knowledge acquisition and sharing, Knowledge brokering, Knowledge-based Systems, Ontological approaches and methodologies.

Relevant Biomedical applications: Hospital patient scheduling, Electronic medical/health records, Clinical management and research, Patient health care, Medical diagnosis, Gene-expression microarray data mining.

Relevant Business intelligence applications: Electronic commerce Systems, Scheduling and planning, Virtual shopping environments and Internal auditing, e-Government and e-Service intelligence

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **December 10, 2017**: <http://controls.papercept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDiT 2018 link "Submit a Contribution to CoDiT'18" and follow the steps.**

All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).

DEADLINES

December 10, 2017: deadline for paper submission

February 4, 2018: notification of acceptance/reject

February 28, 2018: deadline for final paper and registration.