

7th International Workshop on Soft Computing Applications

SOFA 2016

24-26 August, 2016

Arad, Romania



CALL FOR PAPERS

Following six successful editions, the 7th SOFA is moving to Arad – Romania, where it aims to gather as many Soft Computing (SC) researchers and professionals as possible. The main goal of the Workshop is to communicate and publish new theoretical and applicative research results, in the areas of Fuzzy Logic, Neural Networks, Evolutionary Computing, and other methods belonging or connected to SC. A second and just as important goal is to encourage new reflections on SC issues and new links between interested researchers, R&D engineers, managers.

Topics

Novel soft computing methods:

Fuzzy Logic, Neural Networks, Belief Functions, Evidence Theory, Evolutionary Computation, Anytime Algorithms, Hybrid Systems, Probabilistic Reasoning, Possibilistic Reasoning, Clustering Techniques, Feature Selection Methods, Adaptive Modelling, Knowledge Discovery Methods, Novel Learning Algorithms

Intelligent control systems:

Model-Predictive Control, Adaptive and Optimal Control, Intelligent Control Systems, Robotics and Automation, Intelligent Agents & Multiagent Systems, Industrial Automation, Hybrid Control Systems

Computational Intelligence for Bioinformatics and Biomedical applications:

Soft Computing Methods for Biological Data Analysis and Knowledge Discovery, Mining the Human Genome, Brain Data Analysis and Modelling, Gene Expression Data Analysis and Disease Profiling, Adaptive Integrated Systems for Medical and Health Applications

Optimization and Prediction:

Multi-criteria Optimization, Signal Processing, Time Series Analysis & Prediction, System Identification, Data Mining & Knowledge Discovery, Intelligent Information Systems, Image Processing, Parallel Computing Applications in Identification & Control, Pattern Recognition, Clustering, Classification

Decision Support Systems:

Intelligent Databases & Information Retrieval, Case-Based Reasoning, Decision Analysis, Dynamic Systems Modelling, Decision Support Systems, Qualitative and Approximate-Reasoning Modelling, Multiple Criteria Decision Aid

Intelligent Systems for Signal Processing:

Signal Processing, Speech Recognition, Image Analysis, Video Data Modelling, Diagnostics, Uncertainty-handling, Anytime Algorithms, Sensors, Distributed Measurement, Tool Integration for Better Performance, Virtual Systems, Intelligent Space, Applications

General Co-Chairs:

Valentina E. Balas (Romania)

Lakhmi Jain (Australia)

Branko Kovačević (Serbia)

Honorary Chairs:

Lotfi A. Zadeh (USA)

Michio Sugeno (Japan)

Honorary Committee:

Imre Rudas (Hungary)

Emil M. Petriu (Canada)

Submissions & Publication

Prospective authors are invited to submit full papers, minimum 8 A4 pages including authors' names, affiliations, e-mail, and telephone number, according to the instructions on the website.

All accepted papers will be published by Springer, *Advances in Intelligent Systems and Computing* (ISSN: 2194-5357). The books of this series are submitted to ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springerlink.

See the publication of SOFA 2014:

<http://www.springer.com/series/11156>

Important Dates and Deadlines

Submission of full papers & Special Session Proposals – 29 April, 2016

Notification of acceptance – 16 May, 2016

Submission of final manuscript & early payment – 22 July 2016

www.sofa2016.org

Conference Secretariat

TRIVENT Conference Office

Phone/Fax: +40-74-0038984

E-mail: conferences@trivent.eu