

# 6<sup>th</sup> WORLD CONFERENCE ON SOFT COMPUTING

[www.wconsc-2016.org](http://www.wconsc-2016.org)



**Berkeley, CA**  
**May 22-25, 2016**



dedicated to  
**95th birthday anniversary of LOTFI A. ZADEH**

organized by  
**Ministry of Communications and High  
Technologies of the Republic of Azerbaijan**

## **AIMS AND SCOPE**

6th World Conference on Soft Computing, Berkeley 2016, aims to bring together researchers, engineers and practitioners to present the latest achievements and innovations in the multiple areas of soft computing, to discuss thought-provoking developments and challenges, to consider potential future directions. One of the objectives of the conference is to encourage participation by young researchers; to this end student papers will be given special consideration.

## **IMPORTANT DATES**

Regular Paper Submission  
Notification of Acceptance  
Final Paper Submission  
Early Registration

Proposals for Special Sessions  
Special Sessions Final Paper Submission (by organizer)

**December 5, 2015**  
**January 25, 2016**  
**February 19, 2016**  
**February 19, 2016**

**November 15, 2015**  
**February 19, 2016**

CALL FOR



## TOPICS

### Theories and Methods:

Information Theory, Uncertainty, Bayesian and Probabilistic Methods, Evidence and Possibility Theory, Utility Theory, Fuzzy Sets and Fuzzy Logic, Approximate Reasoning, Non-classical Logics, Default Reasoning, Belief Revision, Argumentation, Uncertainty in Cognition, Graphical Models, Knowledge Acquisition, Information Fusion and Aggregation, Knowledge Representation, Ontologies, Decision Support, Cognitive Modeling, Game Theory, Multi-Criteria Decision Making, Granular Computing, Computing with Words, Human-Centric Computing, Rough Sets, Evolutionary Computation, Neural Networks, Hybrid Architectures

### Applications and Tools:

Intelligent and Multi-agent Systems, Information Processing and Retrieval, Intelligent Data Analysis, Data Mining, Machine Learning, Database and Information Systems, Intelligent Search, Internet and Semantic Web, Social Networks and Trust, Multi-Media, Control and Robotics, Computer Vision, Pattern Recognition, Image Processing, Medicine and Bioinformatics, Finance, Software Engineering, Industrial Engineering, e-Commerce, Security

## SPECIAL SESSIONS

Proposals for special sessions focusing on fundamental theories and innovative applications of soft computing are welcome. Submission of proposals should include a short description of the session, its relevance to the conference, and a list of potential contributors. Special sessions will be open to all participants. Organizers of Special Sessions will be responsible for a reviewing process.

## STUDENT PARTICIPATION

Student participation is highly encouraged, be it submitting and presenting a paper, attending the conference, or volunteering at the conference. STUDENT REGISTRATION is FREE. The Program Committee will select the best student papers prior to the conference. These papers will be presented at a special session during the conference. The student author of the best paper (based on both the written submission and the oral presentation, to be selected during this session) will receive an award.

## HONORARY CONFERENCE CHAIRS

Lotfi A. Zadeh (University of California, Berkeley, USA)

Ali M. Abbasov (Minister of Communications and High Technologies of the Republic of Azerbaijan)

## GENERAL CHAIR

Shahnaz N. Shahbazova (*Azerbaijan Technical University*)

## GENERAL CO-CHAIRS

Marek Z. Reformat (University of Alberta, Canada)

Ronald R. Yager (Iona College, New York, USA)

Vladik Kreinovich (University of Texas at El Paso, USA)

## ADVISORY CO-CHAIRS

William Melek (University of Waterloo, Canada),

Ildar Batyrshin (Mexican Petroleum Institute, Mexico)

Vadim Stefanyuk (Russian Academy of Sciences, Russia)

Laszlo T. Koczy (Budapest University of Technology and Economics, Budapest, Hungary)

## PROGRAM CHAIRS

Janusz Kacprzyk (Polish Academy of Sciences, Poland)

Vladik Kreinovich (University of Texas at El Paso, USA)

Marek Reformat (University of Alberta, Canada)

## LOCAL ORGANIZING COMMITTEE

Shahnaz N. Shahbazova (*Azerbaijan Technical University*) ([shahbazova@gmail.com](mailto:shahbazova@gmail.com))

Victor Taratukhin (Stanford University, USA) ([vtara@stanford.edu](mailto:vtara@stanford.edu))

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Chimnaz S. Shahbazzade (University of California, Berkeley, USA) ([cshahbazzade@berkeley.edu](mailto:cshahbazzade@berkeley.edu))

## **PUBLICITY CHAIR**

Vladik Kreinovich (University of Texas at El Paso, USA)

## **SPECIAL SESSIONS CHAIRS**

Ashok Deshpande (University of Puna, India)

Fernando Gomide (University of Campinas, Brazil)

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