

# FIRST ANNOUNCEMENT AND CALL FOR PAPERS

The Institute of Electrical and Electronics Engineers, Inc.



## Intelligent Systems IEEE IS'16: Methodology, Models, Applications in Emerging Technologies

### Organized by

*IEEE IM/CS/SMC Joint Chapter of Bulgaria*

*IEEE CIS Chapter – Bulgaria*

*Federation of Scientific-Technical Unions of Bulgaria*

*Union on Automation and Informatics, Bulgaria*

*IEEE Young Professionals Affinity Group of Bulgaria*

*University for Library Studies and Information*

*Technologies – Sofia, Bulgaria*

*Institute of Information and Communication Technologies – BAS*

*Union of Scientists in Bulgaria, Section Computer Science*



**September 4-6, 2016, Sofia, Bulgaria**

<http://www.ieee-is.org>

## INVITATION

Building upon the success of IS'02, IS'04, IS'08, IS'12 (held in Sofia and Varna, Bulgaria), IS'06, IS'10 (held in London, UK), and IS'14 (held in Warsaw, Poland) the 8<sup>th</sup> **IEEE International Conference on Intelligent Systems IS'16** shall continue the tradition of bringing together top specialists in the broad area of intelligent systems. This forum is an opportunity for scientists from all over the world to share ideas and achievements in the theory and practice of intelligent control, artificial intelligence, decision support systems, neural networks, soft computing, data mining and knowledge discovery, ontologies, machine learning, intelligent measurement, etc. Presentations should highlight contemporary intelligent systems as a concept that combines theoretical research and applications in automation, information technologies and measurement. All aspects of intelligent systems are of interest: theory, algorithms, tools, applications, etc.

In addition to the main sessions, the conference timetable shall be concerted with several other symposiums, workshops, poster sessions, tutorial courses, student session, etc., in similar scopes, which will take place before, during and after the end of the IEEE IS'16.

IS'02 up to IS'14 established as scientific forums that gather only quality papers and presentations that meet high scientific standards. Following the tradition, all submitted original papers to IS'16 shall be carefully reviewed for possible inclusion in the Conference Proceedings. After the Conference, a selected number of best papers shall be expanded and revised for possible inclusion in the *Journal of Intelligent Systems* and in other well known Journals or Springer books.

## MAIN TOPICS RELATED TO IS

Advanced Analytics  
Artificial Intelligence  
Autonomous and Organic Computation  
Bio-Inspired Intelligence  
Brain Modeling and Simulation  
Cognitive Systems

Computational Finance and Economy  
Computational Intelligence  
Data Mining and Knowledge Discovery  
Evolutionary Computation  
Evolving Systems  
Fuzzy Sets and Systems  
Generalized Nets  
Genetic Algorithms  
Human-Machine Interaction  
Hybrid Systems  
Intelligence for Security  
Intelligent Behavior  
Intelligent Control  
Intelligent Decision Making Systems  
Intelligent Information Processing  
Intelligent Measurement  
Intelligent Pattern Recognition  
Intuitionistic Fuzzy Sets  
IS in Bioinformatics and Computational Biology  
Machine Learning  
Multi-Agent Systems  
Neuro-Fuzzy Systems

### **Application areas:**

- Robotics
- Data Processing
- Knowledge Management
- Education, e-Learning
- Business&Finance
- Process Control
- Manufacturing
- Telecommunication
- Transportation
- Health, Medicine and Bioengineering
- Power Industry
- Environmental Engineering

## COPYRIGHT CONDITIONS

The material submitted for presentation at an IEEE IS'16 (conference, symposium, workshops) must be original, not published or being considered for publication elsewhere. All accepted papers shall appear in the Conference Proceedings and on CD-ROM, and will be distributed to participants.

IEEE holds copyright of material presented at the conference. Authors shall be informed in due time about the Copyright Transfer Form they shall be asked to submit once their papers are accepted for publication.

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## CALL FOR PAPERS

Interested authors are requested to submit to the Conference Chair the electronic version of their draft paper(s) in PDF format, in English, via e-mail before 20<sup>th</sup> of December 2015. The first page must contain the paper title, authors' name(s) and affiliations, the complete addresses of the corresponding author (E-mail, FAX, and Phone), and an abstract (200-250 words). The updated information for the authors should be obtained from the conference WEB site, to be soon available.

## CORRESPONDENCE AND SUBMISSION:

All correspondence and paper submissions must be directed to:

Prof. V. Jotsov, D.Sc.

P.O.Box 161, 1113 Sofia, Bulgaria

E-mail: jotsov@ieee.org

## FEES AND DEADLINES:

### Registration Fees:

	till 15 May 2016	after 15May 2016
IEEE Members	300 €	400 €
non-IEEE Mem- bers	400 €	500 €
IEEE Students:	220 €	260 €

### Deadlines:

Expression of interest:	Now open, to the above e-mail
Submission of draft papers:	December 20 <sup>th</sup> , 2015
Notification of acceptance:	March 3 <sup>rd</sup> , 2016 (via e-mail).
Submission of final papers:	15 <sup>th</sup> April 2016
Registration of Authors	With submission of camera-ready papers

## LOCATION

The capital of Bulgaria is located in the western part of the country at the foot of Mountain Vitosha. It is the 12th largest city by population in the EU. Many of the major universities, institutions, and businesses of Bulgaria are concentrated in Sofia. It is also a center of public and political life, cultural events and media, as well as research institutes.

Sofia offers numerous sightseeing places and tourist attractions: gorgeous rich museums, beautiful medieval churches and art galleries, as well as many night clubs and pubs.

Sofia is the candidate for European Capital of Culture in 2019.



More details to be announced on the permanent conference website <http://www.ieee-is.org>

