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 the Scientific Engineering Unions of Bulgaria Society of Automatics and Informatics "John Atanasoff" • 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 **8th 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
- Big Data
- Bio-Inspired Intelligence
- Brain Modeling and Simulation
- Cognitive Systems
- Computational Finance and Economy
- Computational Intelligence
- Cyber Computing
- Data Analytics
- Data/Web Mining and Knowledge Discovery
- Data Science
- Evolutionary Computation

- Evolving Systems
- Fuzzy Sets and Systems
- Generalized Nets
- Genetic Algoritms
- Human-Machine Interaction
- Hybrid Systems
- Intelligence for Security
- Intelligent Behavior
- Intelligent Control
- Intelligent Decision Making Systems
- Intelligent Information Processing
- Intelligent Measurement
- Intelligent Pattern Recognition
- Intuitionisting Fuzzy Sets

IS in Bioinformatics and Computational Biology
Machine Learning
***Application areas*:**
- Robotics
- Data Processing
- Knowledge Management
- Education, e-Learning
- Business&Finance
- Process Control
- Manufacturing
- Telecommunication
- Transportation
- Health, Medicine and Bioengineering
- Power Industry
- Enviromental Engineering

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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 20th 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: Assist. Prof. I. Radeva, PhD
P.O.Box 161, 1113 Sofia, Bulgaria   E-mail: iradeva@iit.bas.bg

FEES and DEADLINES:

Registration Fees:

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

D e a d l i n e s:

Expression of interest:	Now open, to the above e-mail
Submission of draft papers:	April 20th, 2016
Notification of acceptance:	Within 1-2 weeks after the submission, via e-mail.
Submission of final papers:	May 14th, 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