SECOND 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 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 complemented 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 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
Intuitionprising 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
• Environmental Engineering

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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.
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