**F I R S T A N N O U N C E M E N T A N D  
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### Intelligent Systems IEEE IS’20:

Methodology, Models, Applications in Emerging Technologies

**Organized by**

*IEEE IM/CS/SMC Joint Chapter of Bulgaria • IEEE CIS Chapter – Bulgaria*

*Society of Automatics and Informatics "John Atanasoff" • University for Library Studies and Information Technologies – Sofia, Bulgaria*

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# 26-28 June 2020, Varna, Bulgaria,http://[www.ieee-is.org](http://www.ieee-is.org)

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| **I N V I T A T I O N** | | | | | | |
| Building upon the success of IS’02, IS’04, IS’08, IS’12, IS’16 (held in Sofia and Varna, BG), IS’06, IS’10 (held in London, GB), IS’14 (held in Warsaw, PL) and IS’18 (held in Funchal, Madeira Island, PT) the **10th IEEE International Conference on Intelligent Systems IS’20** 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 data science, intelligent control, artificial intelligence, neural networks, soft computing, data mining and knowledge discovery, machine (deep) 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, and applications.  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'20. IS’02 up to IS’18 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’20 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 well-known Journals or Springer books. | | | | | | |
| **Main topics related to IS** | | | | | | |
| Advanced Analytics  Artificial Intelligence  Autonomous Systems  Big Data  Bio-Inspired Intelligence  Brain Modelling and Simulation  Cognitive Systems  Computational Finance and Economy  Computational Intelligence  Cyber Physical Systems  Data Analytics  Data/Web Mining and Knowledge Discovery  Data Science  Deep Learning  Evolutionary Computation  Evolving Systems  Fuzzy Sets and Systems  Generalized Nets | | Genetic Algorithms  Human-Machine Interaction  Hybrid Systems  Intelligence for Security  Intelligent Behaviour  Intelligent Control  Intelligent Decision Making Systems  Intelligent Information Processing  Intelligent Measurement  Intelligent Pattern Recognition  Internet of Things  Intuitionistic Fuzzy Sets  IS in Bioinformatics and Comp. Biology  Machine Learning  Mathematical Modelling  Neural Networks  Networked Systems | | ***Application areas*:**  • Augmented Reality  • Robotics  • Data Processing  • Knowledge Management  • Intelligent System Design  • Education, e-Learning  • Business & Finance  • Process Control  • Manufacturing  • Telecommunication  • Transportation  • Health, Medicine and Bioengineering  • Power Industry  • Industrial Control Systems  • Knowledge Based Systems  • Environmental Engineering | | |
| **C o p y r i g h t c o n d i t i o n s** | | | | | | |
| The material submitted for presentation at an IEEE IS’20 (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 the electronic version of their draft paper(s) in PDF format, in English,**  **via e-mail**. 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 (100-250 words). The updated information for the authors should be obtained from the conference WEB site <https://www.ieee-is.org/>. | | | | | | |
| **Correspondence and Submission:** | | | | | | |
| All correspondence and paper submissions must be directed to Assoc. Prof. Olympia Roeva  Address: POB 161, Sofia 1113, Bulgaria, EUE-mail: ieee\_IS2020 at biomed.bas.bg | | | | | | |
| **FEES** | | | | | | |
| **Registration Fees:** | | | | | | |
| IEEE Members  Non-IEEE Members  Students, IEEE members: | | until 14 February 2020  350 €  450 €  250 € | | after 14 February 2020  400 €  500 €  300 € | | |
| **Deadlines:** | | | | | | |
| Expression of interest: | | now open, to the above e-mail | | | |
| Submission of draft papers: | | 10 January 2020 (for early registration papers) | | | |
| Notification of acceptance: | | 3 February 2020 (via e-mail) | | | |
| Submission of final papers: | | 15 March 2020 (early registration: 15 February 2020) | | | |
| Registration of authors | | with submission of camera-ready papers | | | |
| **L O C A T I O N** | | | | | | |
| The Conference hotels are located in a zone of beautiful natural parks in St. Constantine and Helena, the oldest Bulgarian Black Sea resort. The place offers a wonderful combination of seacoast woods and hot mineral springs. The hotels, the congress, and the medical centers are hidden in the parks at a distance of 20-30 m from the sea. Detailed information about the region is available from http://ieee-is.org (hotels). The resort is only 8 km far from the town and the Varna international airport, and is connected to it by a highway with a regular bus transport. There are available different car service facilities at the resort. You are welcome to write us and we can help you with the organization of the local transportation and/or planning your personal schedule concerning different Conference activities. For more than forty years St. Constantine has been a gathering point for the scientists from countries all over the world offering ideal opportunities for sea vacations, congress tourism and spring waters therapy for strengthening the health. This is a place where man's creations are in harmony with the nature. The resort was nominated for the European "Blue Flag" ecological award competition. The tradition and experience in the organization of congresses, symposiums, and workshops have made the place renowned in the international scientific community. | | | | | | |
| More details to be announced on the permanent conference website <http://www.ieee-is.org> | | | | | | |