



**Technical University of Varna (Bulgaria)
Technical University of Sofia (Bulgaria)
VŠB – Technical University of Ostrava (Czech
Republic) Rostov State Transport University (Russia)
Russian Association for Artificial Intelligence, Russia**

2nd International Scientific Conference

**“Intelligent information technologies for industry” (IITI’17)
(September 14-16, 2017, Varna, Bulgaria)**

CALL FOR PAPERS

Dear colleagues!

On behalf of the Program Committee and Organizing Committee We have a great pleasure to invite you to Bulgaria for the IITI’17 Conference. This event will be the 2nd Conference of the series on Intelligent information technologies for industry. It is organized by Technical University of Varna (Bulgaria), Technical University of Sofia (Bulgaria), VŠB – Technical University of Ostrava (Czech Republic) and Rostov State Transport University (Russia).

The purpose of the International scientific conference «Intelligent Information Technologies for Industry» is to bring together international researchers and industrial practitioners interested in the development and implementation of modern technologies for automation, informatization, computer science, artificial intelligence, transport and power electrical engineering. The conference aims at advancing both, fundamental research and innovative applications, and seeks to establish a new dissemination platform and an international network of researchers in these fields. Innovative information technologies are of particular interest to the conference.

The organizing committee of the conference is inviting interested researchers and professionals to submit papers describing significant scientific achievements and innovations. All submissions will be thoroughly peer-reviewed by multiple reviewers. Proceedings of IITI’17 conference will be published in Springer series Advances in Intelligent and Computing. It will be indexed by Thomson ISI, SCOPUS and DBLP. The extended versions of the best papers presented at this conference will be considered for publication in special issues of internationally recognized journals.

Topics of interest

- Knowledge representation models and knowledge discovery techniques
- Data mining
- Fuzzy sets, fuzzy relations and related formalisms
- Evidence and possibility theories
- Non-classical logic and plausible inference
- Non-factors modeling in intelligent systems
- Soft computing and measurement, computational intelligence
- Linguistic models and granular computing, linguistic and percept measures
- Decision making and intelligent systems for decision making
- Multisets and fuzzy multisets
- Hybrid fuzzy and probability models
- Algebraic Bayesian networks and trust networks
- Neural networks, neuroinformatics and neurointelligence
- Cognitive modeling and cognitive agents
- Classification, recognition and training
- Evolutional modeling, bionic and genetic algorithms
- Multiagent systems and distributed AI
- Artificial life, swarm intelligence, adaptive behavior
- Applied intelligent dynamic systems
- Automation and intellectualization for industrial systems
- Automation and intellectualization for transport systems
- Automation and intellectualization for telecommunications systems
- Automation and intellectualization for drives systems
- Automation and intellectualization for energetic systems
- Information safety and security
- Intelligent information technologies for education

Conference sections

- Artificial Intelligence
- Machine learning applications
- Computer science and technology
- Automation and intellectualization in industrial and energy systems
- Automation and intellectualization in transport systems
- Automation and intellectualization in telecommunications systems
- Intelligent information technologies in education and science

ORGANIZATION

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- Zdeněk Peroutka, University of West Bohemia, Czech Republic

VENUE

The conference will be held in Varna, Bulgaria.

PAPER SUBMISSION

Papers reporting original and unpublished research results on the above and related topics are solicited. All submitted papers will be refereed for quality, originality and relevance by the Program Committee. The acceptance/rejection of the papers will be based on the review results. All questions should be addressed to the contact e-mail. An electronic version (PDF format) of the full paper should be submitted by the paper submission deadline to the conference website. Only submissions in English language will be considered. The maximum number of pages is 10 for oral session and 8 for poster sessions.

Manuscripts should be provided according to the guidelines given at the following link where you can find the necessary styles and information:

<http://www.springer.com/series/11156>

(If this link does not work for you, go to <http://www.springer.com>, search for series "Advances in Intelligent Systems and Computing" and follow the link "Instructions for Authors" to the right)

Further information is available on the conference website: <http://www.iiti-conf.org>

IITI'17 CONTACTS

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