



Rostov State Transport University (Russia)
VŠB – Technical University of Ostrava (Czech Republic)
Russian Association for Artificial Intelligence

3-rd International Scientific Conference
“Intelligent information technologies for industry” (IITI’18)
(September 17-21, 2018, Sochi, Russia)

SECOND CALL FOR PAPERS

On behalf of the Program Committee and Organizing Committee we have a great pleasure to invite you to the Sochi (Russia) for the IITI’18 Conference.

We would like to remind about two important dates:

1. **March 26, 2018** – deadline for submission of [application](#) for participation in the conference into iiti16@rgups.ru.

2. **April 16, 2018** – Deadline for submission of papers on EasyChair (the .pdf version of paper should be sent by using EasyChair service <https://easychair.org/conferences/?conf=iiti18>).

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

ORGANIZATION

Conference Chairs

- Vaclav Snasel, VSB-Technical University of Ostrava, Czech Republic
- Sergey M. Kovalev, Rostov State Transport University, Russia

Conference Vice Chair

- Valery B. Tarassov, Bauman Moscow State Technical University, Russia

Organizing Chair

- Alexander N. Guda, Rostov State Transport University, Russia

Organizing Vice Chair

- Andrey V. Sukhanov, Rostov State Transport University, Russia

Conference Organizers

- Andrey V. Chernov, Rostov State Transport University, Russia
- Anna E. Kolodenkova, Samara State Technical University, Russia
- Ivan A. Yaitskov, Rostov State Transport University, Russia
- Jan Platoš, VSB-Technical University of Ostrava, Czech Republic
- Maria A. Butakova, Rostov State Transport University, Russia
- Maya V. Sukhanova, Azov-Black Sea State Engineering Institute, Russia
- Pavel Krömer, VSB-Technical University of Ostrava, Czech Republic
- Vitezslav Styskala, VSB-Technical University of Ostrava, Czech Republic
- Vladislav S. Kovalev, JSC “NIAS”

International Program Committee

- Aboul Ella Hassanien, Cairo University, Egypt
- Alexander I. Dolgiy, JSC "NIIAS", Rostov branch, Russia
- Alexander L. Tulupyev, St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences, Russia
- Alexander N. Shabelnikov, JSC "NIIAS", Russia
- Alexander N. Tselykh, Southern Federal University, Russia
- Alexander P. Eremeev, Moscow Power Engineering Institute, Russia
- Alexander V. Smirnov, St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences, Russia
- Alexey B. Petrovsky, Institute for Systems Analysis of Russian Academy of Sciences, Russia
- Alexey N. Averkin, Dorodnicyn Computing Centre of Russian Academy of Sciences,
- Alla V. Zaboлева-Zotova, Volgograd State Technical University, Russia
- Anton Beláň, Slovak University of Technology in Bratislava, Slovakia
- Bronislav Firago, Belarusian National Technical University, Belarus
- Dusan Husek, Institute of Computer Science, Academy of Sciences of the Czech Republic
- Eid Emary, Cairo University, Egypt
- Eliska Ochodkova, VSB-Technical University of Ostrava, Czech Republic
- František Janíček, Slovak University of Technology in Bratislava, Slovakia
- Gennady S. Osipov, Institute for Systems Analysis of Russian Academy of Sciences, Russia
- Habib M. Kammoun, University of Sfax, Tunisia
- Hussein Soori, VSB - Technical University of Ostrava, Czech Republic
- Igor B. Fominykh, Moscow Power Engineering Institute, Russia
- Igor D. Dolgiy, Rostov State Transport University, Russia
- Igor Kurytnik, University of Bielsko-Biała, Poland
- Igor N. Rozenberg, JSC "NIIAS", Russia
- Ildar Batyrshin, National Polytechnic Institute, Mexico
- Ivan Zelinka, VSB-Technical University of Ostrava, Czech Republic
- Ján Vittek, University of Žilina, Slovakia
- Jana Nowakova, VSB-Technical University of Ostrava, Czech Republic
- Jaroslav Kultán, University of Economics in Bratislava, Slovakia
- Jiří Bouchala, VŠB-Technical University of Ostrava, Czech Republic
- Jiří Hammerbauer, University of West Bohemia, Czech Republic
- Josef Paleček, VŠB-Technical University of Ostrava, Czech Republic
- Juan Velasquez, University of Chile, Chile
- Konrad Jackowski, Wrocław University of Technology, Poland
- Leszek Pawlaczk, Wrocław University of Technology, Poland
- Marcin Paprzycki, IBS PAN and WSM, Poland
- Michał Wozniak, Wrocław University of Technology, Poland
- Mikołaj Bartłomiejczyk, Gdansk University of Technology, Poland

- Milan Dado, University of Ľilina, Slovakia
- Mohamed Mostafa, Arab Academy for Science, Technology, and Maritime Transport, Egypt
- Nadezhda G. Yarushkina, Ulyanovsk state technical university, Russia
- Nashwa El-Bendary, SRGE (Scientific Research Group in Egypt), Egypt
- Nour Oweis, VSB-Technical University of Ostrava, Czech Republic
- Oleg P. Kuznetsov, Institute of Control Sciences of Russian Academy of Sciences
- Pavol Špánik, University of Źilina, Slovakia
- Petr Saloun, VSB-Technical University of Ostrava, Czech Republic
- Santosh Nanda, Eastern Academy of Science and Technology, Bhubneswar, Odisha, India
- Stanislav Kocman, VŠB-Technical University of Ostrava, Czech Republic
- Stanislav Rusek, VŠB-Technical University of Ostrava, Czech Republic
- Svatopluk Stolfa, VSB-Technical University of Ostrava, Czech Republic
- Tarek Gaber, VSB-Technical University of Ostrava, Czech Republic
- Teresa Orłowska – Kowalska, Wrocław University of Technology, Poland
- Vadim L. Stefanuk, Institute for Information Transmission Problems, Russia
- Vadim N. Vagin, Moscow Power Engineering Institute, Russia
- Viktor M. Kureychik, Southern Federal University, Russia
- Vladimir V. Golenkov, Belarus State University of Informatics and Radioelectronics, Belarus
- Vladimír Vašinek, VŠB-Technical University of Ostrava, Czech Republic
- Vladmir V. Kureychik, Southern Federal University, Russia
- Yuri I. Rogozov, Southern Federal University, Russia
- Zdeněk Peroutka, University of West Bohemia, Czech Republic

VENUE

The conference will be held in Sochi.

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 contact e-mail. An electronic version (PDF format) of the full paper should be submitted by the paper submission deadline to the conference website. 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: iiti.rgups.ru/en/

IITI'18 CONTACTS

Sukhanov Andrey,
Rostov State Transport University,
2 Rostovskogo Strelkovogo Polka Narodnogo Opolcheniya sq., Rostov-on-
Don 344038, Russia
Tel.: +7-989-720-65-53
e-mail: iiti16@rgups.ru

Krömer Pavel,
VŠB - Technical University of Ostrava,
17. listopadu 15/2172, 708 33 Ostrava - Poruba, Czech Republic
Tel.: +420 597 325 898
e-mail: pavel.kromer@vsb.cz