



**Rostov State Transport University (Russia)**  
**VŠB – Technical University of Ostrava (Czech Republic)**  
**Southern University (Russia)**  
**Istinye University (Turkey)**  
**Düzce University (Turkey)**  
**Russian Association for Artificial Intelligence (Russia)**

6-th International Scientific Conference  
**“Intelligent information technologies for industry” (IITI’22)**  
**(October 31-November 6, 2022, Istanbul, Turkey)**

### **CALL FOR PAPERS**

Dear colleagues!

On behalf of the Program Committee and Organizing Committee We have a great pleasure to invite you to take part in the IITI'22 conference, which will be held on October 31-November 6, 2022 in Istanbul. It is the 6th Conference of the series "Intelligent Information Technologies for Industry". It is organized by Rostov State Transport University (Russia) and VŠB – Technical University of Ostrava (Czech Republic) with the support of the Russian Foundation for Basic Research. In 2022, the conference is co-organized by Southern University (Russia), Istinye University (Turkey) and Düzce University (Turkey).

The purpose of the International scientific conference «**Intelligent Information Technologies for Industry**» is to bring together the international advanced experience in the field of the development and implementation of the modern techniques in automation, informatization and artificial intelligence in fundamental and applied sciences as well as the development of contacts in this sphere. The innovative intelligent information technologies are of particular interest at the conference.

The organizing committee of the conference is inviting interested researchers and professionals to submit papers describing significant scientific achievements and innovations in all areas of automation, informatization, computer science, and artificial intelligence. All submissions will be thoroughly peer-reviewed by multiple reviewers. Proceedings of IITI’22 conference will be published in Springer series Lecture Notes in Networks and Systems. The publications will also be indexed in SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago. In addition, following the example of the previous conference, the probability of indexing in the Web of Science is high.

In 2022, the conference includes roundtable discussion on “Intelligent information models in socio-economical systems”.

## TOPICS OF INTEREST

1. Bayesian Networks and Trust Networks, Fuzzy-Stochastic Modelling
2. Fuzzy Models and Systems
3. Non-Classical Logic and Plausible Inference
4. Neural Networks Technologies
5. Evolutional Modeling and Genetic Algorithms
6. Multiagent Systems
7. Decision Making Intelligent Systems
8. Machine Learning and its Applications
9. Automation and Intellectualization for Industrial, Transport and Energetic Systems
10. Intelligent medical systems
11. Flexible models of management over socio-technical systems
12. Explainability and bias in Artificial Intelligence

## ROUNDTABLE DISCUSSION TOPICS

1. Intelligent decision support systems in social and business systems
2. Intelligent systems design using socio-humanitarian technologies
3. Big data and artificial intelligence in public administration
4. AI algorithms in digital economy
5. Artificial intelligence for education
6. Law and ethics in artificial intelligence

## IMPORTANT DATES

### **April 11, 2022**

Deadline for application for participation in the conference. To make the submission just fill up the required fields at EasyChair (<https://easychair.org/conferences/?conf=iiti22> marked by “ \* ”, (to apply the participation, file of publication can be initially missed).

### **May 16, 2022**

Deadline for the paper submission (file of publication at [EasyChair page](#) must be uploaded before this date).

### **May 30, 2022**

Acceptance/rejection notification.

### **June 13, 2022**

Camera-ready and registration.

### **October 31-November 6, 2022**

Conference dates

## **CONFERENCE FEE**

Conference fee is 250 Euro. The payment is required only for accepted papers.

## **ORGANIZATION**

### **Conference Chairs**

- Sergey M. Kovalev, Rostov State Transport University, Russia
- Vaclav Snasel, VŠB -Technical University of Ostrava, Czech Republic
- Imran Akperov, Southern University, Russia
- Erkan Ibiş, Istinye University, Turkey

### **Organizing Chair**

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

### **Organizing Co-Chairs**

- Andrey V. Sukhanov, Rostov State Transport University, Russia
- Pavel Krömer, VŠB-Technical University of Ostrava, Czech Republic
- Nigar Demircan Cakar, Düzce University, Turkey
- Sebnem Ozdemir, Istinye University, Turkey

### **Conference Organizers**

- Andrey V. Chernov, Southern Federal University, Russia
- Anna E. Kolodenkova, Samara State Technical University, Russia
- Ivan A. Olgeizer, JSC "NIIAS" , Russia
- İsmail Çiftçi, Istinye University, Turkey
- Jan Platoš, VŠB -Technical University of Ostrava, Czech Republic
- Maria A. Butakova, Southern Federal University, Russia
- Maria N. Koroleva, Bauman Moscow State University, Russia
- Merve Gizem Comlekci, Istinye University, Turkey
- Reşat Ekinci, Düzce University, Turkey
- Sebnem Ozdemir, Istinye University, Turkey
- Viktoria S. Kokhanova, Southern University, Russia
- Vitezslav Styskala, VSB-Technical University of Ostrava, Czech Republic
- Vladislav S. Kovalev, JSC "NIIAS", Russia

### **International Program Committee**

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- Adem Karahoca, Nisantasi University, Turkey
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- Alexander I. Dolgiy, JSC "NIIAS", Russia
- Alexander I. Panov, Institute of Control Sciences of Russian Academy of

## Sciences

- Alexander L. Tulupyev, St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences, Russia
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- Alexander V. Bozhenyuk, Southern Federal University, Russia
- Alexander V. Smirnov, St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences, Russia
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- Igor V. Kotenko, St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences, Russia
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- Jaroslav Kultán, University of Economics in Bratislava, Slovakia
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- 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
- Leonid A. Gladkov, Southern Federal University, Russia
- Leszek Pawlaczk, Wrocław University of Technology, Poland

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- Milan Dado, University of Zilina, Slovakia
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- Mustafa Sundu, Istinye University, Turkey
- Nadezhda G. Yarushkina, Ulyanovsk State Technical University, Russia
- Nashwa El-Bendary, SRGE (Scientific Research Group in Egypt), Egypt
- Nigar Demircan Çakar, Düzce University, Turkey
- Nour Oweis, VŠB-Technical University of Ostrava, Czech Republic
- Okan Yasar, Istinye University, Turkey
- Oleg P. Kuznetsov, Institute of Control Sciences of Russian Academy of Sciences
- Pakize Erdogmus, Duzce University, Turkey
- Pavol Špánik, University of Žilina, Slovakia
- Petr Saloun, VŠB-Technical University of Ostrava, Czech Republic
- Resul Kara, Duzce University, Turkey
- Santosh Nanda, Eastern Academy of Science and Technology, Bhubneswar, Odisha, India
- Sebastian Basterrech, VŠB-Technical University of Ostrava, Czech Republic
- Selman Hızal, Sakarya University, Turkey
- Sergey D. Makhortov, Voronezh State Technical University, Russia
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- Stanislav Kocman, VŠB-Technical University of Ostrava, Czech Republic
- Stanislav L. Belyakov, Southern Federal University, Russia
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- Svatopluk Stolfa, VŠB-Technical University of Ostrava, Czech Republic
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- Vadim V. Borisov, Moscow Power Engineering Institute in Smolensk, Russia
- Vadim L. Stefanuk, Institute for Information Transmission Problems, Russia
- Viktor M. Kureichik, Southern Federal University, Russia
- Vladimir Golenkov, Belarussian State University of Informatics and Radioelectronics
- Vladimir V. Khramov, Southern University, Russia
- Vladimir V. Kureichik, Southern Federal University, Russia
- Yuri I. Rogozov, Southern Federal University, Russia
- Zdeněk Peroutka, University of West Bohemia, Czech Republic

## **VENUE**

Istinye University Topkapı Campus, Maltepe Neighbourhood, Teyyareci

Sami Street, Building no.3, Zeytinburnu, İstanbul, Turkey, 34010.

## **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:

<https://www.springer.com/series/15179>

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

Authors guidelines, LaTeX and Word templates can be downloaded also from [here](#).

The papers will be published as an edited volume in Springer series entitled "Lecture Notes in Networks and Systems".

Only submissions in English language will be considered. The maximum number of pages is 10.

Please, use the following link to submit your paper:

<https://easychair.org/conferences/?conf=iiti22>

Questions regarding roundtable discussions should be addressed to Victoria Kokhanova (tel.: +7 918 517 26-06, e-mail: [nauka@iubip.ru](mailto:nauka@iubip.ru))

[Further information is available on the conference website: iiti.rgups.ru/en/](http://iiti.rgups.ru/en/)

## IITI CONTACTS

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