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## Call for Papers

# 2023 Global Smart Industry Conference (GloSIC'2023)

November 21-23, 2023

South Ural State University (national research university),  
Chelyabinsk, Russian Federation

The 2023 Global Smart Industry Conference is organized in order to exchange achievements of the world's leading universities and research centers in the field of innovative models, methods and technologies for the digital industry and the experience of their implementation in large transnational and domestic industrial companies. The conference will be held in Chelyabinsk, Russian Federation, on November 21-23, 2023.

### CONFERENCE CHAIR:

Shestakov A.L., president of South Ural State University (National Research University), president of International Scientific-Technical Society of Instrument Engineers and Metrologists, member of the IMEKO General Council, Russia.

### Co-Chairs:

- Novikov D.A., academician of RAS, director of V.A. Trapeznikov Institute of Control Sciences of Russian Academy of Sciences, Russia.
- Pronin A.N., general director of the D.I. Mendeleev All-Russian Institute for Metrology, Russia.

### CONFERENCES TOPICS:

1. Condition monitoring and control for intelligent manufacturing
2. Industrial robotics
3. Sensors and their components
4. Wireless sensor and actuator networks
5. Digital Twins technologies
6. Additive manufacturing technologies
7. Big data, machine learning and artificial intelligence for Industry 4.0 management
8. Cybersecurity in digital industry
9. Virtual and augmented realities for Industry 4.0

**Languages of the conference:** Russian and English.

### IMPORTANT DATES:

- Deadline for abstract submission is July 3, 2023.
- Deadline for paper submission is August 3, 2023.
- Notification of Acceptance is September 29, 2023.
- Camera Ready Paper is October 11, 2023.

### REGISTRATION FEE

You should pay the registration fee before the beginning of the conference. The registration fee needs to be paid only upon receipt of the official invitation letter, which will be sent to the corresponding author by email. Registration fee does not include the visa support, travel expenses, accommodation and meals. The registration fee is 3000 RUB (if paid before November 10, 2023, otherwise registration fee is 5000 RUB).

### REQUIREMENTS FOR SCIENTIFIC CONTENT

GloSIC admits original scientific papers in Russian that present novel theoretical and/or experimental results in the

conference scope and have not been previously published and are not being submitted to another conference or journal.

The International Program Committee will select papers according to their content, theoretical and practical contribution. Content of the paper should meet the following basic requirements:

- topicality (the paper should consider some problem of state-of-the-art science and/or technology that is interesting to the scientific community);
- scientific nature (the paper should consider scientific aspects of the problem, even if the task itself has a practical application);
- originality (the paper should present novel results; the survey paper must be approved by the special decision of the Program Committee).

The paper must have a clear structure with the following sections that generally accepted for scientific publications. An introduction where the topicality and scientific significance of the study is claimed; a brief review of the related works; problem statement and theoretical part of the study; the practical part of the study (the implementation of programs or prototypes of devices, case studies, experimental results, etc.); conclusions.

The volume of the paper is 6-15 pages. All accepted papers will be published electronically and indexed in Russian Science Index. The best papers will be published (after further revision) in the following journals:

Bulletin of the South Ural State University. Series: Computational Mathematics and Software Engineering (indexed in Russian Science Citation Index on the Web of Science platform),

Bulletin of the South Ural State University. Series: Computer Technologies, Automatic Control, Radio Electronics (indexed in the list of the Higher Attestation Commission of the Ministry of Education and Science),

Instruments (indexed in the list of the Higher Attestation Commission of the Ministry of Education and Science), and other journals indexed in the "White List" of RCSI.

### The conference is supported by:

- South Ural State University, Chelyabinsk, Russia;
- V.A. Trapeznikov Institute of Control Sciences of Russian Academy of Sciences, Moscow, Russia;
- The D.I. Mendeleev All-Russian Institute for Metrology, St. Petersburg, Russia;
- Magnitogorsk Iron & Steel Works PJSC, Magnitogorsk, Russia;
- Metran, Chelyabinsk, Russia;
- International Scientific-Technical Society of Instrument Engineers and Metrologists.

More information: <http://glosic.susu.ru>