



СИБИРСКИЙ  
ГОСУДАРСТВЕННЫЙ  
ИНДУСТРИАЛЬНЫЙ  
УНИВЕРСИТЕТ

Dear Colleagues!

We invite you to take part in the work of the

**13<sup>th</sup> All-Russian scientific and practical conference  
(with international participation)**

**AS'2021**

**AUTOMATION SYSTEMS  
(in education, science and industry)**



**Russia, Novokuznetsk, Siberian state Industrial University  
02-03 December, 2021**

*The conference is dedicated to the 300<sup>th</sup> anniversary of KUZBASS*

Since 1997 Siberian State Industrial University (SibSIU) has been holding a scientific conference “Automation systems (in education, science and production)” every two years. The purpose of the conference to organize among scientific and industrial community professional discussion on dominant modern trends and the latest research results, technological solutions in the field of automation, as well as informatization of educational, research and production processes.

**SCOPE OF THE CONFERENCE**

1. Theory of automatic control.
2. Theoretical foundations for managing the life cycle processes of automation and informatization systems.
3. Algorithmization of processes of measurement, estimation, identification, recognition, control, regulation, dispatching, scheduling, forecasting, optimization.
4. Advanced software and hardware for automated systems and complexes.
5. Automation systems for laboratory stands, equipment, machine tools, units, production facilities.
6. Automated training, testing and commissioning systems.
7. Intelligent systems and robotics.
8. Analysis and processing of data in control systems.
9. Practice of development, implementation and operation of automation systems.
10. Automated control systems for educational and research complexes.
11. Practice of implementation, operation and maintenance of control automation systems.
12. Mechanisms of organizational management of automated production.

## **ORGANIZERS**

Siberian State Industrial University (Novokuznetsk, Russia)  
United Company Sibshakhtostroy LLC (Novokuznetsk, Russia)  
EvrazTechnika LLC (Novokuznetsk, Russia)  
Research Center of Control Systems LLC (Novokuznetsk, Russia)  
Scientific and educational center of the world level “KUZBASS” (Russia)

## **PARTNERS**

Journal “Bulletin of SibSIU” (Novokuznetsk, Russia)  
Journal “Izvestiya vuzov. Ferrous metallurgy” (Moscow, Russia)  
JSC “EVRAZ United West Siberian Metallurgical Plant” (Novokuznetsk, Russia)  
Ural Federal University (Ekaterinburg, Russia)  
Kuzbass College of Architecture, Construction and Digital Technologies (Novokuznetsk, Russia)  
Kuzbass Scientific Center of the Siberian Branch of the Academy of Engineering Sciences n.a.  
A.M. Prokhorov (Kemerovo, Russia)  
Kemerovo Regional Branch of the Siberian Academy of Sciences of the Higher School  
(Kemerovo, Russia)

## **SCIENTIFIC COMMITTEE**

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S.M. Nikitenko, Doctor of Economics, Leading Researcher of the Federal Research Center of Coal and Coal Chemistry (Kemerovo, Russia)

A.S. Dobrynin, Cand. of Tech. Sc., Scientific Secretary of the conference, Head of the conference support group, SibSIU (Novokuznetsk, Russia)

## **TOPICS OF THE PLENARY SESSION, ROUND TABLE AND SESSIONS**

- *Plenary session*

Analysis of the state and development potential of automation systems in science, education and production

- *Round table*

Problems of development of automation systems in Kuzbass

- *Sessions*

Key issues of the theory and practice of automation

Industrial automation and informatization systems

Automation and informatization systems for educational purposes

Research automation and informatization systems

## **SCHEDULE OF THE CONFERENCE**

*Not later than 20 October, 2021* – paper submission

*From 10 September to 31 October, 2021* – papers review

*01-02 December, 2021* – arrival of conference participants

*02 December 2021* – registration of participants, conference opening, plenary session, round table.

*03 December 2021* – work of sections, summing up the results of the conference.

Video conferencing will be organized for distant participants.

## **CONFERENCE PROCEEDINGS**

Conference proceedings will be published by the beginning of the Conference, indexed in the RSCI database and available in the electronic library <http://elibrary.ru/>.

## **CONTACT INFORMATION**

Papers should be submitted to Scientific secretary of the conference – Alexey Dobrynin [as2021@sibsiu.ru](mailto:as2021@sibsiu.ru).

654007, Russia, Kemerovo region – Kuzbass

Novokuznetsk, 42 Kirova Str.

Siberian State Industrial University

Department of Automation and Information Systems