

**THE 5TH INTERNATIONAL WORKSHOP ON INFORMATION,  
COMPUTATION, AND CONTROL SYSTEMS FOR  
DISTRIBUTED ENVIRONMENTS**



**ICCS-DE 2023**

**<https://iccs-de.icc.ru>**



**July 3-7, 2023, Irkutsk, Russia**

# **THE 5TH INTERNATIONAL WORKSHOP ON INFORMATION, COMPUTATION, AND CONTROL SYSTEMS FOR DISTRIBUTED ENVIRONMENTS (ICCS-DE 2023)**

Matrosov Institute for System Dynamics and Control Theory of Siberian Branch of Russian Academy of Sciences, Irkutsk, Russia and CICESE Research Center, Ensenada, Mexico invite you to participate in the 5th International Workshop on Information, Computation, and Control Systems for Distributed Environments (ICCS-DE 2023), which will take place in Irkutsk, Russia (July 3-7, 2023).

This workshop addresses the theory and practice in developing information, computing, and control systems related to different subject domains of information, technical, economic, and other fields of human activity. Special attention will be paid to the systems that function in various distributed environments. The languages of the workshop are English and Russian.

All news information related to holding the workshop will be presented in the NEWS section of the workshop website <https://iccs-de.icc.ru>.

*We will be monitoring the COVID-19 situation. If this situation will favorable, we will hope for the physical presence of the workshop participants. Otherwise, we will allow authors to present their accepted work remotely. For any questions arising with your participation, please contact the Organizing Committee Chair.*

## **PROGRAM COMMITTEE CHAIR**

**Igor Bychkov**, Matrosov Institute for System Dynamics and Control Theory of the Siberian Branch of the Russian Academy of Sciences, Irkutsk, Russia

## **PROGRAM COMMITTEE CO-CHAIR**

**Andrei Tchernykh**, CICESE Research Center, Ensenada, Mexico

## **ORGANIZING COMMITTEE CHAIR**

**Alexander Feoktistov**, Matrosov Institute for System Dynamics and Control Theory of the Siberian Branch of the Russian Academy of Sciences, Irkutsk, Russia, e-mail: [agf65@yandex.ru](mailto:agf65@yandex.ru)

## **CONFERENCE LOCATION AND VENUE**

The ICCS-DE 2023 is held in the Institute for System Dynamics and Control Theory SB RAS Russia

Address: Irkutsk, 664033, Lermontov St. 134

## **IMPORTANT DATES**

Start of report registrations and manuscript submissions: **March 1, 2023**

Deadline for Submission: **May 26, 2023**

Notification of Acceptance: **June 15, 2023**

Submission of Final Manuscripts: **June 22, 2023**

Workshop: **July 3–7, 2023**

# WORKSHOP TOPICS

## 1. Information and telecommunication systems

- Theoretical foundation of information and telecommunication systems
- Methods, tools, and technologies for developing information and telecommunication systems
- Applications of information and telecommunication systems
- Geographic information systems
- Data science
- Advanced systems in education

## 2. Mathematical modeling of complex systems

- Models, algorithms, and methods for system modeling
- Logical analysis and optimization of systems
- Toolkits and languages for system modeling
- Mathematical modeling applications

## 3. Intelligent systems

- Theoretical foundation of intelligent systems
- Control systems
- Decision support systems
- Multi-agent systems
- Systems based on the Internet of Things
- Applications of intelligent systems

## 4. Parallel and distributed computing systems

- Theory of parallel and distributed computing systems, program analysis
- Technologies of parallel and distributed computing
- Grid, cloud, fog, and edge computing
- Multi-agent management for parallel and distributed computing
- Big data processing and analyzing
- Applications of parallel and distributed computing systems

## 5. Special section for young scientist

## **CALL FOR PAPERS**

Full and up-to-date information about requirements for the preparation of manuscripts, and other additional information are presented on the workshop website in the [CALL FOR PAPERS](#) section.

At least one of the authors of the accepted manuscript for ICCS-DE 2023 is required to present it during the workshop session according to the program that will be posted on the workshop site. The presentation slides should be prepared in English.

Each co-authors of reports will receive a certificate of participation in electronic form.

## **REGISTRATION FEE**

The registration fee will depend on the participation form (virtual or physical). In the case of virtual participation, no fee is charged. The fee value for physical participation will be determined later.

If you have any questions, feel free to contact with the

Organizing Committee Chair

**Alexander Feoktistov**

[agf65@yandex.ru](mailto:agf65@yandex.ru)

## PREVIOUS WORKSHOPS

ICCS-DE 2019	
<b>Website</b>	<a href="https://iccs-de.icc.ru/en/2019/index.php">https://iccs-de.icc.ru/en/2019/index.php</a>
<b>Program</b>	<a href="https://iccs-de.icc.ru/files/ICCS-DE_2019_Program.pdf">https://iccs-de.icc.ru/files/ICCS-DE_2019_Program.pdf</a>
<b>Proceedings</b>	<a href="http://ceur-ws.org/Vol-2430/">http://ceur-ws.org/Vol-2430/</a>
ICCS-DE 2020	
<b>Website</b>	<a href="https://iccs-de.icc.ru/en/2020/index.php">https://iccs-de.icc.ru/en/2020/index.php</a>
<b>Program</b>	<a href="https://iccs-de.icc.ru/files/2020/ICCS-DE_2020_Program.pdf">https://iccs-de.icc.ru/files/2020/ICCS-DE_2020_Program.pdf</a>
<b>Proceedings</b>	<a href="http://ceur-ws.org/Vol-2638/">http://ceur-ws.org/Vol-2638/</a>
ICCS-DE 2021	
<b>Website</b>	<a href="https://iccs-de.icc.ru/en/2021/index.php">https://iccs-de.icc.ru/en/2021/index.php</a>
<b>Program</b>	<a href="http://conf.masdcm.ru/files/2021/Program_ICCS-DE_2021.pdf">http://conf.masdcm.ru/files/2021/Program_ICCS-DE_2021.pdf</a>
<b>Proceedings</b>	<a href="http://ceur-ws.org/Vol-2913">http://ceur-ws.org/Vol-2913</a>
ICCS-DE 2022	
<b>Website</b>	<a href="https://iccs-de.icc.ru/en/2022/index.php">https://iccs-de.icc.ru/en/2022/index.php</a>
<b>Program</b>	<a href="https://iccs-de.icc.ru/files/2022/Program_ICCS-DE_2022_en.pdf">https://iccs-de.icc.ru/files/2022/Program_ICCS-DE_2022_en.pdf</a>
<b>Proceedings</b>	<a href="https://iccs-de.icc.ru/files/2022/Proceedings_ICCS-DE-2022.pdf">https://iccs-de.icc.ru/files/2022/Proceedings_ICCS-DE-2022.pdf</a>