

THE 1ST INTERNATIONAL WORKSHOP ON INFORMATION,  
COMPUTATION, AND CONTROL SYSTEMS FOR DISTRIBUTED  
ENVIRONMENTS



PROGRAM OF ICCS-DE 2019



8-9 July 2019, Irkutsk (Russia)

# THE 1ST INTERNATIONAL WORKSHOP ON INFORMATION, COMPUTATION, AND CONTROL SYSTEMS FOR DISTRIBUTED ENVIRONMENTS (ICCS-DE 2019)

Matrosov Institute for System Dynamics and Control Theory of Siberian Branch of Russian Academy of Sciences invite you to participate in the 1st International Workshop on Information, Computation, and Control Systems for Distributed Environments (ICCS-DE 2019), which will take place in Irkutsk, Russia (July 8-9, 2019).

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.

## 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 MEMBERS

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

**Denys Dutykh**, University of Savoie, France

## CONFERENCE LOCATION AND VENUE

The ICCS-DE 2019 is held in the Institute for System Dynamics and Control Theory SB RAS Russia

Address: Irkutsk, 664033, Lermontov St. 134

## CONFERENCE TOPICS

- Theoretical foundation of information, computing, and control systems
- Methods, tools, and technologies of the system development
- Development and application of systems in computer science
- Mathematical modeling of systems
- Control systems
- Decision support systems
- Intelligent systems
- Multi-agent systems
- Parallel and distributed computing systems

If you have any questions, feel free to contact with  
**Alexander Feoktistov** by email ([agf@icc.ru](mailto:agf@icc.ru))

## Conference Schedule

Sessions	July 8	July 9
Registration	09:00-10:00 613, 6 floor	
Opening Ceremony	10:00-10:30 612, 6 floor	
Section 1	10:40-12:30 613, 6 floor	
Section 2	13:40-15:00 613, 6 floor	
Lunch	12:30-13:30	
Round table		08:00-12:00 613, 6 floor
Closing Ceremony		12:00-12:30 613, 6 floor
Lunch		12:30-13:30

# ICCS-DE 2019 Sessions

MONDAY, JULY 8, 2019

## Section 1

10:30-12:30, room 613, 6 floor

10:30-10:50	<b>Autonomous coordination of heterogeneous vehicles for persistent monitoring problem with route and fuel constraints</b> <i>M. Kenzin, I. Bychkov, N. Maksimkin</i>
10:50-11:10	<b>PCF-based formalization of the parallel composition of automata</b> <i>A. Davydov, A. Larionov, N. Nagul</i>
11:10-11:30	<b>Framework for preparing subject data in testing modules of scientific applications</b> <i>E. Fereferov, A. Feoktsov, I. Bychkov</i>
11:30-11:45	<b>Coffee Break</b>
11:45-12:05	<b>Research on the resilience of the intelligent integrated energy systems</b> <i>E. Barakhtenko, D. Sokolov, A. Edelev, S. Gorsky</i>
12:05-12:25	<b>Modelling energy systems of Vietnam with integration of renewable power sources</b> <i>A. Edelev, D. Karamov, I. Sidorov, D.V. Binh, N.H. Nam, N.H. Anh, P.V. Duy, P.T. Hanh</i>

# ICCS-DE 2019 Sessions

MONDAY, JULY 8, 2019

## Section 2

13:30-15:30, room 613, 6 floor

13:30-13:50	<b>Toolkit for simulation modeling of queue systems in Grid</b> <i>A. Feoktistov, R. Kostromin, E. Fereferov, A. Tchernykh, O. Basharina, V. Dmitriev, Y. Kurzybova</i>
13:50-14:10	<b>Methods and tools for evaluating the reliability of information and computation processes in Grid and cloud systems</b> <i>A. Feoktistov, I. Sidorov, R. Kostromin, G. Oparin, O. Basharina</i>
14:10-14:30	<b>Meta-monitoring system for ensuring a fault tolerance of the intelligent high-performance computing environment</b> <i>I. Sidorov, T. Sidorova, Y. Kurzibova</i>
14:30-14:45	<b>Coffee Break</b>
14:45-15:05	<b>Automation of microservices creation for qualitative analysis of binary dynamic systems</b> <i>G. Oparin, V. Bogdanova, A. Pashinin</i>
15:05-15:25	<b>Intellectual technology for computation control in the package of applied microservices</b> <i>I. Bychkov, G. Oparin, V. Bogdanova, A. Pashinin</i>

ICCS-DE 2019 Sessions

MONDAY, JULY 9, 2019

Round table

08:00-12:00, room 613, 6 floor

08:00-12:00	<b>Round table</b> <i>“Topical Issues of the Creation and Applying of the Distributed Systems”</i>
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