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Main sponsoring IFAC Technical Committee:

- IFAC TC 2.4. Optimal Control

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- TC 1.1. Modelling, Identification and Signal Processing
- TC 2.1 Control Design
- TC 2.3 Non-Linear Control Systems
- TC 2.5 Robust Control

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Scientific and Production Association of Automatics named after Academician N.A. Semikhatov, Yekaterinburg, Russia



Russian Federal Nuclear Center – Zababakhin All-Russian Scientific Research Institute of Technical Physics (RFNC-VNIITF), Snezhinsk, Russia

## LOCATION & VENUE

CAO 2018 will take place in Yekaterinburg, one of the largest cities of Russia. It is the administrative center of Sverdlovsk Oblast located on the border of Europe and Asia.

During the 18th century, Yekaterinburg became known as a Russia's iron making center, and it is now a modern city with world-class infrastructure that includes an efficient metro system and an excellent airport. The city is also one of Russia's most well-known centers for the arts, science, education and sports. Yekaterinburg has the third largest number of diplomatic missions in the country (after Moscow and St. Petersburg).



## IMPORTANT DEADLINES

- |                               |                       |
|-------------------------------|-----------------------|
| • Draft paper submission:     | <b>April 15, 2018</b> |
| • Notification of acceptance: | <b>June 20, 2018</b>  |
| • Final paper submission:     | <b>July 20, 2018</b>  |
| • Early registration:         | <b>August 1, 2018</b> |

## REGISTRATION FEES

- |                             |                |
|-----------------------------|----------------|
| • Early registration fee:   | <b>€200,00</b> |
| • Late registration fee:    | <b>€300,00</b> |
| • Student registration fee: | <b>€100,00</b> |

The registration fee includes: admission to all sessions, electronic proceedings, program and abstracts volume, refreshments during the conference and the conference dinner

## ORGANIZER



The Workshop is organized by the Krasovskii Institute of Mathematics and Mechanics of the Ural Branch of the Russian Academy of Sciences (IMM UB RAS), Yekaterinburg, Russia

[www.imm.uran.ru](http://www.imm.uran.ru)

## CONTACTS

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<http://cao2018.uran.ru>



## First Announcement Call for Papers



## 17th IFAC Workshop on Control Applications of Optimization

# CAO 2018

October 15–19, 2018  
Yekaterinburg  
Russian Federation

[cao2018.uran.ru](http://cao2018.uran.ru)

## SCOPE

CAO 2018 is the serial 17th workshop of the IFAC Technical Committee on Optimal Control (TC 2.4). One of the main goals of the workshop is to bring together researchers and engineers, applied economists and environmental scientists, and to give an up to date view of the major applications of optimization for control purposes and for decision making in economy and industry.

## TOPICS

You are invited to submit original papers covering a broad spectrum of topics in Control Applications of Optimization.

Specific topics will include:

- optimization methods
- optimal control
- differential games
- evolutionary algorithms
- stochastic optimization
- numerical methods for optimization
- optimization under uncertainties including the theory of noise measurements
- multi-objective control and optimization
- robust control and stabilization
- applications in economics, management and environmental science
- generalized solutions of Hamilton–Jacobi equations
- control of partial differential equations
- real-time control problems
- control design for hybrid systems
- large scale optimization problems
- singularities in optimization.

## PAPER SUBMISSION

All papers and session proposals should be submitted electronically in PDF format using the conference submission system PaperPlaza:

<https://ifac.papercept.net>

Accepted papers must comply with standard IFAC conference format and must not exceed 6 two-column pages.

### Copyright Conditions

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Vice-Chair from Industry: Prof. M. Kozmanov

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