

First announcement

International Scientific Conference

KOLMOGOROV READINGS – IX.

*General Control Problems and their Applications (GCP–2020),
dedicated to the 70-th birth anniversary of Alexander Ivanovich Bulgakov and
to the 90-th anniversary of the Institute of Mathematics, Physics and Information
Technologies of Derzhavin Tambov State University*

Tambov, Derzhavin Tambov State University, 12-16 October, 2020

Organizing committee address: kafedra_fa@mail.ru

Conference website: opu2020.tsutmb.ru

Organizers:

Ministry of Science and Higher Education of the Russian Federation

Russian Academy of Sciences

Russian Fund for Basic Research

Administration of Tambov region

Department of Education and Science of Tambov region

V.A. Trapeznikov Institute of Control Sciences (ICS RAS)

N.N. Krasovskii Institute of Mathematics and Mechanics (IMM UB RAS)

Lomonosov Moscow State University

Moscow Institute of Physics and Technology

University of Tyumen

Derzhavin Tambov State University

Program committee

Co-chairmen: Professor A.V. Arutyunov (Moscow)
Professor A.S. Mishchenko (Moscow)
Corresponding Member of RAS A.G. Chenzov (Yekaterinburg)

Members:

Professor A.P. Afanas'ev (Moscow)
Professor L.M. Berezanskiy (Beer Sheva, Israel)
Professor A.I. Burenkov (Moscow)
Professor M.R. Weber (Dresden, Germany)
Professor A.V. Dykhita (Irkutsk)
Corresponding Member of RAS M.I. Zelikin (Moscow)
Professor A.D. Ioffe (Haifa, Israel)
Professor G.G. Magaril-II'yaev (Moscow)
Professor V.P. Maksimov (Perm)

Professor V.F. Molchanov (Tambov)
Professor K.Yu. Osipenko (Moscow)
Professor N.N. Petrov (Izhevsk)
Professor A.V. Ponossov (Aas, Norway)
Professor V.M. Tikhomirov (Moscow)
Corresponding Member of RAS A.A. Tolstonogov (Irkutsk)
Corresponding Member of RAS V.N. Ushakov (Yekaterinburg)
Professor A.V. Fursikov (Moscow)
Professor G.F. Helminck (Amsterdam, the Netherlands)
Professor A.I. Shindyapin (Maputo, Mozambique)

Organizing committee

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Vice-chairmen: Docent A.A. Arutyunov (Moscow) andronick.arutyunov@gmail.com

Docent E.O. Burlakov (Tyumen) eb_@bk.ru
Docent E.A. Panasenko (Tambov) panlena_t@mail.ru

Members:

Ph.D. student S. Benarab (Tambov)	Docent I.V. Krivopalova (Tambov)
Technician M.V. Borzova (Tambov) kafedra_fa@mail.ru	Ph.D. student W. Merchela (Tambov)
Docent A.A. Grigorenko (Tambov)	Docent E.A. Pluzhnikova (Tambov)
Docent H. Guebbai (Guelma, Algeria)	M.S. student I.D. Serova (Tambov)
Ph.D. student I.A. Zabrodskiy (Tambov)	Docent O.V. Philippova (Tambov)
Docent I.V. Kosenkova (Tambov)	Docent Yu.G. Fomicheva (Tambov)

Scientific program of the conference

Main topics of the conference are:

- Calculus of variations and optimal control
- Dynamic objects control, game theory, differential and functional-differential inclusions
- Differential and functional-differential equations
- Methods of nonlinear functional analysis and extremal problems
- Algebraic topology and noncommutative geometry
- Applications of control theory and optimization, differential equations and inclusions to mathematical simulation
- Questions of history, philosophy, methodology and teaching of mathematics

Speaking time: plenary talks – 40 minutes, sectional talks – 20 minutes.

Working languages of the conference: Russian, English

It is planned to hold the International school on multi-valued analysis, convex analysis, and optimal control for young researches within the conference.

For the conference participants, refresher courses “Mathematical education at higher educational institutions in a digital society” will be held the listeners of which will receive certificates.

Proceedings of the conference

If you wish to participate in the conference, please, fill in the registration form on the conference website opu2020.tsutmb.ru before **April 20, 2020**.

After the registration, you can submit your conference materials either in the form of an **abstract (recommended length is 1-3 pages)** or as a **full-text article (recommended length is 8-16 pages)**. It is possible to submit both abstracts and full-text articles. All the abstracts will be published in a book of abstracts which will be included in the database of Russian index of scientific citation. The articles will be published in the peer-review journal «Russian Universities Reports. Mathematics » (until May 27, 2019, the journal was published under the name “Tambov University Reports. Series: Natural and Technical Sciences”, <http://journals.tsutmb.ru/mathematics.html>).

All the abstracts should be submitted no later than **May 10, 2020** via kafedra_fa@mail.ru.

All the articles should be submitted no later than **May 1, 2020** via kafedra_fa@mail.ru. The articles will be reviewed by the program committee and published only in the case of positive reviews. The articles will be published in several issues of the journal “Russian University Reports. Mathematics” (according to the release schedule of the journal).

After the conference, based on the materials of some reports, the program committee will propose writing articles for the journal «Advances in Systems Science and Applications (ASSA)» indexed in Scopus.

Rules for preparing manuscripts

All the manuscripts should be prepared in TEX system in accordance with the template you can download here:

Template for a [full-text article in Russian](#).

Template for a [full-text article in English](#).

Template for an [abstract in Russian](#).

Template for an [abstract in English](#).

Conference fees

The conference fee is 700 rubles for students (both under- and postgraduate) and 2000 rubles for other participants. The conference fee is supposed to cover expenses for conference materials, refresher courses and stationary for the participants as well as postal expenses.

The conference fee should be paid no later than September 1, 2020. The organizing committee asks you to transfer the registration fee to the university account and send a scanned copy of the payment receipt and the signed service agreement to kafedra_fa@mail.ru.

Accommodation

The organizing committee will assist in booking rooms for the conference participants at the hotel “Derzhavinskaya***”. The prices of the rooms (which are still subject to change) are following: single room (economy, single bed, breakfast included) – 1 900 rubles per day, double room (economy, one double bed, breakfast included) – 2 200 rubles per day, a bed in a double room (economy, breakfast included) – 1 250 rubles per day.

The participants wishing to stay in other hotels of Tambov are asked to book on their own.

Social program

In the case of financial support, the organizing committee plans to organize excursions to the cultural and historical places of Tambov and Tambov region.