COMPUTING TECHNOLOGIES AND APPLIED MATHEMATICS

CTAM

**Welcome to
Workshop on Computing Technologies and Applied Mathematics
Vladivostok, July 11-15, 2022**

The International Workshop on Computing Technologies and Applied Mathematics (CTAM 2022) provides a forum for experts and researchers to exchange original results and valuable ideas in different aspects of using computing technologies and advanced methods of applied mathematics in science and engineering.

The scope of CTAM 2022 covers aspects of various types of mathematical modelling and computer simulation (deterministic, stochastic, continuous, discrete, or hybrid based on differential equations of various types, automata, Petri nets, fuzzy logic, machine learning) for complex systems of different nature. A particular emphasis will be put on applications of optimization for large, nonsmooth, nonconvex, and other complex systems. Discussion talks that critically evaluate computing approaches, data processing strategies, software- and hardware applications in related fields are also welcome.

All Workshop papers will be double-blind peer-reviewed by two expert reviewers. Accepted papers will be submitted to CEUR-WS.org for online publication as a volume of Workshop proceedings (indexed in SCOPUS). The participation in the CTAM 2022 is free of charge.

Organizers

FEFU Far Eastern Federal University

AmSU Amur State University

Topics

- Computer technologies and data analysis in engineering and bioinformatics
- Mathematical modeling and computer simulation of physical and biological phenomena
- Optimization-based simulation for complex systems
- High performance scientific computing in applications

Contact Information

🏠 Far Eastern Federal University

✉ Ajax Bay 10, Russky Island, 690922 Vladivostok, Russia

🌐 http://ctam.amursu.ru

@ ctam@amursu.ru

Program Committee

- Prof. Hans Georg Bock (Co-chair, Heidelberg, Germany)
- Prof. Evgeni Nurminski (Co-chair, Vladivostok, Russia)
- Prof. Alexander Chebotarev (Vladivostok, Russia)
- Prof. Valeriya Gribova (Vladivostok, Russia)
- Prof. Ekaterina Kostina (Heidelberg, Germany)
- Prof. Andrey Kovtanyuk (Munich, Germany)
- Prof. Christina Kuttler (Munich, Germany)
- Prof. Anna Maslovskaya (Blagoveshchensk, Russia)
- Prof. Sergey Shary (Novosibirsk, Russia)

Workshop Host

Center for Research and Education in Mathematics FEFU

Important Dates

Registration date and abstracts submission	March 31, 2022
Notification of abstract acceptance	April 15, 2022
Paper submission	June 1, 2022
Conference dates	July 11 – 15, 2022
Notification of acceptance of papers	July 30, 2022

Organizing Committee

- Prof. Alexander Samardak (Co-chair, FEFU, Vladivostok)
- Prof. Andrey Plutenko (Co-chair, AmSU, Blagoveshchensk)
- Dr. Lubov Yatsevich (AmSU, Blagoveshchensk)
- Andrei Sushchenko (FEFU, Vladivostok)
- Nikolai Park (FEFU, Vladivostok)

Venue

The Workshop will be held in the campus of Far Eastern Federal University, located in a picturesque place of the Russky Island, on the shore of Ajax Bay, Vladivostok, Russia. FEFU is the largest university in the Russian Far East. It incorporates Schools with generations-old traditions and areas of research that form the core of its intellectual base. One of the FEFU's advantages is its close proximity to major countries of the Asia Pacific region, which is now one of the most dynamically developing parts of the world.

We are looking forward to seeing you in person in Vladivostok!