

15th International Conference on Parallel Computing Technologies / PaCT-2019

Sponsored by Russian Ministry of Education and Science, Russian Academy of Sciences, Russian Foundation for Basic Research



We are glad to announce the 15th International Conference on Parallel Computing Technologies (PaCT-2019). The Conference is to be held in Almaty, Kazakhstan, August 19-23, 2019.

The Conference is jointly organized by the Institute of Computational Mathematics and Mathematical Geophysics (Russian Academy of Sciences, Novosibirsk, Russia), Novosibirsk State National Research University, Al-Farabi Kazakh National University (Almaty, Kazakhstan), and University of International Business (Almaty).

The aim of the PaCT-2019 is to **give an overview of new developments, applications, and trends in parallel computing technologies**. We sincerely hope that the conference will help our community to deepen understanding of parallel computing technologies by providing a forum for an exchange of views between scientists and specialists from all over the world. We welcome your active participation.

WEBSITE: <http://ssd.sccc.ru/conference/pact2019/>

MAIN TOPICS

- All technological aspects of the applications of parallel computer systems
- High level parallel programming languages and systems
- Methods and tools for parallel solution of large-scale problems
- Languages, environments and software tools supporting parallel processing
- Operating systems, scheduling, mapping, load balancing
- General architectural concepts
- Cellular automata
- Performance measurement and analysis tools
- Active knowledge and program construction
- Software for grid and cloud computing
- Scalable computing
- Fragmentation and aggregation of algorithms and programs
- Programs assembling and reuse
- Distributed algorithms



CALL FOR PAPERS

Original papers are solicited for the conference. A full paper (up to 15 pages) should be submitted by February 17, 2019. An extended abstract (5-7 pages) can be submitted by March 3, 2019. Please, bear in mind that it is more difficult for the Program Committee to decide about your work having just an abstract in hand. All contributions will be reviewed by the international Program Committee. Authors will be notified of acceptance by April 15, 2019. We will require camera-ready full papers by May 26, 2019.

In order to submit a paper or just indicate your interest in the PaCT-2019, please register at the site of the conference <http://ssd.sccc.ru/conference/pact2019and> follow the instructions which you will find there. A paper submission system will be activated on the 10th of December, 2018. If you face any difficulties using this site, please contact the Secretary (pact2019@ssd.sccc.ru). Only electronic submission of manuscripts is possible.

The first page should include (but not be limited to) the following information: title, authors' full names, affiliation, addresses, telephone numbers, e-mail addresses. To gain the better understanding of your abstract, we also request to include the following information: short review of related papers, formulation of the problem, objectives, description of results, main ideas, and list of references.

The organizers expect that the authors of selected papers will present their work at the Conference. Proposals for workshops and 1/2 and full day tutorials will be considered.

The Conference Proceedings are planned to be published as the volume of the Springer Verlag LNCS (Lecture Notes in Computer Science) series and distributed at the Conference. We plan also to publish selected papers in a special issue of an indexed international journal. The official language of the Conference is English.

IMPORTANT DATES

- Submission of the full paper: February 17, 2019
- Deadline for extended abstracts: March 3, 2019
- Notification of acceptance: April 15, 2019
- Camera-ready version of the accepted paper: May 26, 2019

CONTACT INFORMATION

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