

Dear Colleague,

We would like to inform you that the International Conference on High-Performance Computing 2019 (HPC 2019) will take place in Borovets, Bulgaria, from 2-nd to 6-th of September 2019.

HPC 2019 is organized under the patronage of Commissioner Maryia Gabriel, Mrs. Karina Angelieva - Deputy Minister of Education and Science, and Acad. Julian Revalski, president of the Bulgarian Academy of Sciences.

The conference is dedicated to the 150th anniversary of the [Bulgarian Academy of Sciences](#).

HPC 2019 is organized by the Department of Parallel Algorithms, Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, in cooperation with HPC & Quantum Technologies Unit at the European Commission, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, National Center for Supercomputing Applications and Communications in Computer and Information Science, Springer.

The topics of interest include:

- HP software tools
- Parallel Algorithms and Scalability
- HPC in Big Data analytics
- Modelling, Simulation & Optimization in a Data rich Environment
- Grid, Distributed and Cloud computing
- Advanced numerical methods for HPC
- Hybrid parallel or distributed algorithms
- Stochastic Algorithms for Massively Parallel Architectures

APPLICATION ORIENTED HPC IN

- Environmental and Climate Modeling
- Computational Nano-technologies
- Biomodelling and In-silico Drug Design
- Computational Chemistry
- Heuristic Algorithms

Your suggestions for organizing special sessions are welcome. Please, send your proposals to hpc2019@parallel.bas.bg not later than March 10, 2019.

The conference will take place at [hotel Samokov](#) in perhaps the best mountain resort of Bulgaria - Borovets. Situated at 1350m above the sea level on the northern slopes of [Rila Mountain](#) among age-old pine woods, Borovets is located at the foot of peak Moussala (2925m) - the highest one on the Balkan Peninsula.

Conference fee

The conference fees cover: the booklet of abstracts, conference materials, the post conference book of papers, the coffee breaks, the excursion, the conference reception and official dinner.

Conference fee	before July 15, 2019	after July 15, 2019
Non-students	350 Euro	390 Euro
Students	200 Euro	220 Euro

We will be happy to see you at the conference. For more information, please, visit the website at http://parallel.bas.bg/dpa/HPC_2019 .

The deadline for abstract submission: April 15, 2019.

The deadline for submission of full papers: May 15, 2019.

Presented papers will be published as a volume in the Studies in Computational Intelligence Springer series (SJR 0.184), after reviewing, as a post conference book of papers.

If you have any questions, please do not hesitate to contact us at the conference e-mail:

hpc2019@parallel.bas.bg.

**Best regards,
Prof. D.Sci. Ivan Dimov, Department of Parallel Algorithms, Institute of Information and
Communication Technologies, Bulgarian Academy of Sciences,
Chairman of the Organizing Committee of HPC 2019.**