



ParCo2019 Symposium on Quantum Computing

Aim

Quantum Computing promises the development of high performance computers that surpass the problem solving capabilities of presently available systems.

The development of Quantum Computers is at an early stage. Some researchers are enthusiastic about the potential problem solving capabilities of such machines. Others are sceptical about the claims made that Quantum Computers will evolve to general purpose computers.

At ParCo2017 a keynote addressed the potential of Quantum Systems to solve a variety of practical problems. The proposed symposium is a sequel to this discussion in that speakers are invited to present their work and join in a discussion on the future development of Quantum Computers.

Invitation

You are invited to propose a paper to be presented as part of a Symposium on Quantum Computing.

Any aspect of Quantum Computers, the development of algorithms and software for Quantum Computing, and the application of such systems to solve particular problems in practice can be discussed.

Organisers

Ludek Kucera, Charles University, Prague, Czech Republic
Gerhard Joubert, Technical University of Clausthal, Germany

Proposals

Submit a proposal as abstract or paper to: <https://www.conftool.org/parco2019> selecting the track Quantum Computing.

Author Instructions are available at <https://www.iospress.nl/service/authors/latex-and-word-tools-for-book-authors/>

Contact address: parco@kam.mff.cuni.cz

Deadline for proposals: **15 August 2019**

Acceptance notification: **23 August 2019**

Acceptance

Acceptance of proposals also depend on the availability of time slots, as these are limited.

Presentation

For the presentation of papers 20 min are allowed, with 5 min discussion.

Publication

Presented papers will be reviewed and accepted papers (10 pages) published in a special section of the conference proceedings. The proceedings will be published as an Open Access volume in the book series *Advances in Parallel Computing*, Amsterdam: IOS Press.

Registration

Registration is required for participation in the symposium. This includes the publication of one presented paper in the proceedings. Please check the ParCo-Website for details.