



**PASC19**

Platform for Advanced Scientific Computing Conference

Zurich Switzerland 12-14 June 2019

# Call for Participation

## Join us @ the PASC19 Conference

**PASC19** is the sixth edition of the PASC Conference series, an international and interdisciplinary platform for the exchange of competences in **scientific computing** and **computational science**, with a strong focus on methods, tools, algorithms, application challenges, and novel techniques and usage of high performance computing.

**Submissions for papers, minisymposia and posters are now open.**

<https://pasc19.pasc-conference.org>

@PASC\_Conference



The PASC19 Conference is chaired by **Prof. Haohuan Fu** (*National Supercomputing Center in Wuxi, China*) and **Prof. Simon Scheidegger** (*University of Lausanne, Switzerland*) and will be centered on the theme **Exascale and Beyond** – focusing on the common challenges and opportunities for computer architects, software developers, and domain experts as we enter the realm of Exascale computing.

The program includes **keynote presentations, papers, minisymposia** and **poster sessions**, a **panel discussion**, and an **interdisciplinary dialogue**. Papers selected for PASC19 can benefit from multiple publication opportunities.

PASC19 also offers a wide range of **sponsorship packages** to organizations interested in gaining visibility and networking with leaders in the fields of HPC simulation and data science.

In an effort to facilitate **student participation**, PASC19 offers the opportunity to apply for the **Student Volunteer Program**, as well as a limited number of student travel grants generously offered by ACM's SIGHPC.

Further information is available on the conference website:  
<https://pasc19.pasc-conference.org>

### Submissions for PASC19

The three-day technical program at PASC19 is organized around eight scientific domains:

- CHEMISTRY & MATERIALS
- LIFE SCIENCES (*incl. but not limited to biophysics, genomics, bioinformatics, systems biology, neuroscience and computational biology*)
- PHYSICS (*incl. but not limited to astrophysics, cosmology, plasma modelling, QCD, ...*)
- CLIMATE & WEATHER
- SOLID EARTH DYNAMICS
- ENGINEERING (*incl. but not limited to CFD, computational mechanics, computational engineering materials, turbulent flow, ...*)
- COMPUTER SCIENCE & APPLIED MATHEMATICS
- EMERGING APPLICATION DOMAINS (*incl. but not limited to social sciences, finance, ...*)

PASC19 calls for high-quality **papers, minisymposia** and **posters submissions** showcasing innovative research related to scientific computing in all of these domains. Proposals that address aspects of the theme of PASC19 – **Exascale and Beyond** – are particularly welcome.

### Upcoming Submission Deadlines

- **Papers:** rolling, next deadlines: 15 Nov 2018 & 15 Jan 2019
- **Minisymposia:** 7 Dec 2018 (expression of interest), 11 Jan 2019 (full submission)
- **Posters:** 13 Jan 2019

### Papers Program

**Chairs:** Prof. Sunita Chandrasekaran (*University of Delaware, US*) and Prof. Ümit V. Çatalyürek (*Georgia Institute of Technology, US*)

**Committee:**  
<https://pasc19.pasc-conference.org/about/papers-program-committee>

### Minisymposia and Posters Program

**Chairs:** Prof. Haohuan Fu (*National Supercomputing Center in Wuxi, China*) and Prof. Simon Scheidegger (*University of Lausanne, Switzerland*)

**Committee:**  
<https://pasc19.pasc-conference.org/about/minisymposia-and-posters-program-committee>