



PASC20

Platform for Advanced Scientific Computing Conference

Geneva Switzerland | 29 June-1 July 2020

Call for Participation

Join us @ the PASC20 Conference

PASC20 is an international and interdisciplinary conference committed to fostering interdisciplinary exchange of competences in **scientific computing** and **computational science**, with a strong emphasis on methods, tools, algorithms, application challenges, and novel techniques and usage of high performance computing.

Submissions for papers, minisymposia and posters are now open.

pasc20.pasc-conference.org

@PASC_Conference



The PASC20 Conference is chaired by **Prof. Sinéad Ryan** (*Trinity College Dublin, Ireland*) and **Prof. Bastien Chopard** (*University of Geneva, Switzerland*) and will be centered on the theme **New Challenges, New Computing Paradigms** – focusing on the challenges brought by new system architectures and new computational paradigms in machine learning, artificial intelligence and big data.

The program includes **keynote presentations, papers, minisymposia and poster sessions, a panel discussion**, and an **interdisciplinary dialogue**. Papers selected for PASC20 can benefit from multiple publication opportunities.

In an effort to facilitate **student participation**, PASC20 offers the opportunity to apply for the **Student Volunteer Program**, which grants a fee waiver for the conference.

Further information is available on the conference website:
pasc20.pasc-conference.org

Submissions for PASC20

The three-day technical program at PASC20 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*)

PASC20 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 PASC20 – **New Challenges, New Computing Paradigms** – are particularly welcome.

Upcoming Submission Deadlines

- **Papers:** rolling, final deadline: 15 Dec 2019
- **Minisymposia:** 6 Dec 2019 (expression of interest), 17 Jan 2020 (full submission)
- **Posters:** 24 Jan 2020

Papers Program

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

Committee:
pasc20.pasc-conference.org/about/papers-program-committee

Minisymposia and Posters Program

Chairs: Prof. Bastien Chopard (*University of Geneva, Switzerland*) and Prof. Sinéad Ryan (*Trinity College Dublin, Ireland*)

Committee:
pasc20.pasc-conference.org/about/minisymposia-and-posters-program-committee