# PASC18

## Platform for Advanced Scientific Computing Conference

**Basel ▮ Switzerland    2-4 July 2018**

## Join us @ the PASC18 Conference

PASC18 is the fifth edition of the PASC Conference series, an international 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.

The theme of PASC18 is **Fast and Big Data, Fast and Big Computation,** with calls for contributions focusing particularly on the challenge of exposing and expressing massive parallelism in scientific problems to exploit heterogeneous parallelism in high performance computers.

### Conference Chairs
Florina Ciorba *University of Basel, Switzerland*
Erik Lindahl *Stockholm University, Sweden*

**pasc18.pasc-conference.org**
Twitter: **@PASC_Conference**
LinkedIn: **https://www.linkedin.com/company/pasc-conference/**

## Contributions
The technical program is organized around eight scientific domains:

- CHEMISTRY & MATERIALS
- LIFE SCIENCES
- PHYSICS
- CLIMATE & WEATHER
- SOLID EARTH DYNAMICS
- ENGINEERING
- COMPUTER SCIENCE & APPLIED MATHEMATICS
- EMERGING APPLICATION DOMAINS (E.G. SOCIAL SCIENCES, FINANCE,…)

- 50 topically-focused and interdisciplinary **minisymposia**
- Peer-reviewed **paper** presentations
- **Poster** sessions
- Interdisciplinary **dialogue** between **Constantia Alexandrou** *University of Cyprus* and **Petros Koumoutsakos** *ETH Zurich*
- **Panel** discussion with **Nuria Lopez** *ICIQ,* **Matthias Scheffler** *Fritz Haber Institute* and **Torsten Schwede** *University of Basel*
- **Exhibition space** for showcasing R&D (stands still available - contact: info@pasc-conference.org)

## Keynotes

**David A. Bader**
*Georgia Tech*

**Marina Becoulet**
*CEA/IRFM*

**Alice Gabriel**
*LMU Munich*

**Nils P. Wedi**
*ECMWF*

It's not too early to start preparing for PASC19, which will be held in Zurich in the summer of 2019. Calls for submissions for papers, minisymposia and posters, as well as applications for student travel grants, will open this autumn. Full papers accepted for the PASC Conference are published in the ACM Digital Library; additional opportunities exist for publishing extended papers with our partner journals (ACM TOMS, CPC and JAMES) post conference.

Follow the news on **www.pasc-conference.org**

acm — **Association for Computing Machinery**

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**CSCS** — Centro Svizzero di Calcolo Scientifico — Swiss National Supercomputing Centre

**Basel** — basel.ch