Call for Papers

The Platform for Advanced Scientific Computing (PASC) invites submissions for the PASC17 Conference, co-sponsored by the Association for Computing Machinery (ACM) and SIGHPC, which will be held at the Palazzo dei Congressi in Lugano, Switzerland, from June 26 to 28, 2017.

PASC17
Platform for Advanced Scientific Computing Conference
Lugano Switzerland ▮ 26-28 June 2017

PASC17 is an interdisciplinary event in high performance computing that brings together domain science, applied mathematics and computer science - where computer science is focused on enabling the realization of scientific computation.

We are soliciting high-quality contributions of original research relating to high performance computing in eight domain-specific tracks:

- CLIMATE & WEATHER
- SOLID EARTH DYNAMICS
- LIFE SCIENCES
- CHEMISTRY & MATERIALS
- PHYSICS
- COMPUTER SCIENCE & APPLIED MATHEMATICS
- ENGINEERING
- EMERGING DOMAINS (SPECIAL TOPIC: PRECISION MEDICINE)

pasc17.pasc-conference.org

Areas of interest include (but are not limited to):

- The use of advanced computing systems for large-scale scientific applications
- Implementation strategies for science applications in energy-efficient computing architectures
- Domain-specific, languages, libraries or frameworks
- The integration of large-scale experimental and observational scientific data and high-performance data analytics and computing
- Best practices for sustainable software development and scientific application development

Committee Chairs
Jack Wells (Oak Ridge National Laboratory, USA)
Torsten Hoefler (ETH Zurich, Switzerland)

Submission Guidelines
We invite papers of 5-10 pages in length, which will be reviewed double blind. Full submissions guidelines can be found at www.pasc17.org.

- Submissions close: **12 December 2016**
- First review notification: **31 January 2017**
- Revised submissions close: **1 March 2017**
- Final acceptance notification: **11 April 2017**

Conference Participation and Proceedings
Accepted manuscripts will be **published in the ACM Digital Library** on the first day of the conference. Authors will be given 30-minute presentation slots at the conference, grouped in topically focused, parallel sessions.

Post-Conference Journal Submission
Following the conference, authors will have the **opportunity to develop their papers for publication in a relevant, computationally focused, domain-specific journal.**

Authors thus stand to benefit from the rapid and broad dissemination of results afforded by the conference venue and associated proceedings, and, from the impact associated with publication in a high-quality scientific journal.