



Platform for Advanced Scientific Computing Conference

Base

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 technical program will feature keynotes, panels, paper presentations, minisymposia, and poster sessions. 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.

#### Contributions

PASC18 welcomes submissions for paper, minisymposium, and poster contributions that present innovative research in scientific computing related to the following scientific domains:

METROPOLIS ALGORITHM

while xim not assigned do brow & = [0,1] and wie [-1,1]

Huew = Hi + Mis

initialize my n and s fox i = 1: (n-1) do

**CHEMISTRY & MATERIALS** 

LIFE SCIENCES

**PHYSICS** 

**CLIMATE & WEATHER** 

SOLID EARTH DYNAMICS

**ENGINEERING** 

if f (Knew)/f(xi) > 2 then Nits = 2 her COMPUTER SCIENCE & APPLIED MATHEMATICS While

EMERGING APPLICATION DOMAINS (E.G. SOCIAL SCIENCES, FINANCE, A) 'S EQUATION

## Submission Deadlines

Minisymposia: November 26, 2017

Papers: January 19, 2018 Posters: February 4, 2018

#### **Conference Chairs**

Florina Ciorba University of Basel, Switzerland Erik Lindahl Stockholm University, Sweden

## **Program Chairs**

Sabine Roller University of Siegen, Germany Jack Wells Oak Ridge National Laboratory, US

Conference information, submission and registration pasc18.pasc-conference.org

Congress Center Basel, Basel, Switzerland

Queries may be addressed to info@pasc-conference.org REAL OR COMPLEX - VALUES

IN THREE-DIMENSIONAL CARTESIAN

f= 0 We retrieve LAPLACE'S EQUATION

EULER EQUATION

i, I label the three Cartesian components: (x1, x2, x3) = (x, 4, 2) and (u,u2,u3)= (u,v,w)





