Join us @ the PASC15 Conference

PASC15 provides an opportunity for scientists and practitioners to discuss key issues in the use of High Performance Computing (HPC) in branches of science that require computer modeling and simulations. The scientific program will offer invited lectures, minisymposia, contributed talks and poster presentations. The active participation of graduate students and postdocs is strongly encouraged.

Contributions

Researchers from the academic and from the corporate world are invited to participate and present their research area in the form of minisymposia, contributed talks and/or poster presentations. PASC15 welcomes submissions in the following scientific fields:

- CLIMATE & WEATHER
- SOLID EARTH
- LIFE SCIENCE
- CHEMISTRY & MATERIALS
- PHYSICS
- COMPUTER SCIENCE & MATHEMATICS
- ENGINEERING
- EMERGING DOMAINS

Abstracts should describe original, interesting, and solid scientific content that is relevant to computational sciences and HPC. Cross-disciplinary approaches are highly encouraged.

Plenary Presentations

- **Towards Exascale Simulation of Turbulent Combustion**
  Jacqueline Chen, Sandia National Laboratories, USA

- **Materials Discovery and Scientific Design by Computation: a Revolution Still in the Making**
  Giulia Galli, University of Chicago, USA

- **Algorithmic Adaptations to Extreme Scale**
  David Keyes, King Abdullah University of Science and Technology, Saudi Arabia

- **Simulating Cosmic Structure Formation**
  Volker Springel, Heidelberg University, Germany

- **The Great Leap**
  Bjorn Stevens, Max-Planck-Institute for Meteorology, Germany

**IMPORTANT DATES**

- **January 30** Submission of abstracts for minisymposia
- **March 2** Submission of abstracts for contributed talks
- **March 30** Submission of abstracts for poster presentations
- **April 30** End of pre-registration