

EASc2014 SOLVING SOFTWARE CHALLENGES FOR EXASCALE

April 2-3 2014 Stockholm, Sweden

The goal of this conference is to bring together all the developers and researchers involved in solving the software challenges of the exascale era. The conference focuses on issues of applications for exascale and the associated tools, software programming models and libraries.



Exascale Applications and Software Conference April 2-3 2014 Stockholm, Sweden

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Topics of interest:

- Design, implementation and optimization of applications for exascale
- Implementation of disruptive algorithms in applications
- Implementation of energy-efficient algorithms in applications
- Performance monitoring tool, Debuggers and correctness checkers
- Auto-tuning frameworks, Run-time systems
- Parallel communication and numerical libraries
- Porting and optimization of application/numerical libraries on hybrid architectures
- Parallel pre- and post-processing tools

Paper publication:

Authors are invited to submit original manuscripts in English structured as technical papers following the instructions at <http://www.pdc.kth.se/easc2014>. All manuscripts will be reviewed and judged on correctness, originality, technical strength, and significance, quality of presentation, and interest and relevance to the conference attendees.

Paper submission:

Paper submission: **Jan 19, 2014**
Acceptance notification: **Feb 16, 2014**
Final papers due: **March 23, 2014**

Invited speakers:

- Horst Simon, LBNL
- Mitsuhsa Sato, University of Tsukuba
- Yutong Lu, NUDT
- Erik Lindahl, KTH

Steering group:

- Erwin Laure, KTH
- Stefano Markidis, KTH
- William Gropp, UIUC
- Mark Parsons, EPCC
- Lorna Smith, EPCC
- Bastian Koller, HLRS

Website: <http://www.pdc.kth.se/easc2014>

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