DEISA PRACE Symposium 2009

Distributed European Infrastructure for Supercomputing Applications

HPC Infrastructures for Petascale Applications

May 11-13, 2009
Royal Tropical Institute
Amsterdam, the Netherlands

PRACE

Welcome to the DEISA PRACE Symposium

DEISA, the Distributed European Infrastructure for Super-computing Applications, and PRACE, the Partnership for Advanced Computing in Europe, decided to merge their annual scientific symposia into one big European HPC event: The DEISA PRACE Symposium.

The theme of this unique symposium is "HPC Infrastructures for Petascale Applications". This is what PRACE and DEISA are jointly creating for Europe – and what other organisations and projects are building in the USA and Asia.

The symposium is of major interest to a broad audience: from scientific users, HPC technology experts and vendors, government representatives and industry partners.

Preliminary Agenda*)

Monday, May 11   12:00 - 18:00 hrs

12:00   **Registration & Lunch**
13:00   **Welcome**

Global Perspectives 1
- Kostas Glinos (EU)
- Abani Patra (NSF, USA)
- Ryutaro Himeno (RIKEN, Japan)
- Horst Simon (DoE, NERSC, US)

Global Perspectives 2
- Ben Evans (ANU-SF, Australia)
- John Towns (TeraGrid, NCSA, US)

Tuesday, May 12   09:00 - 18:00 hrs

Global Perspectives 3
- Maria Ramalho (EU)
- Achim Bachem (PRACE)
- Stefan Heinzel (DEISA)

Science Communities
- Sylvie Joussaume (*Climate Research,* France)
- Carlos Frenk (*Cosmology*, UK)
- Frank Jenko (*Fusion Research,* DE)
- Peter Coveney (*Life Sciences,* UK)

PRACE Perspectives
- Jean-Marie Normand, *Directions in HPC Technology,* (CEA, France)

- Mark Bull, *Survey of HPC Systems and Applications in Europe*, (EPCC, UK)
- Tim Stitt, *Training and Education for Petascale Computing,* (CSCS, Switzerland)

DEISA Extreme Computing 1
- Harm Jonker (*Weather and Climate Research,* The Netherlands & UK)
- Hans-Joachim Bungartz (*Engineering*, Germany)
- Hannu Häkkinen (*Materials Science*, Finland)

Evening programme – Conference Dinner

Wednesday, May 13   09:00 - 14:00 hrs

- QCD breakthrough 2008: Zoltan Fodor (Germany)

DEISA Extreme Computing 2
- Rosa Dominguez-Tenreiro (*Astrophysics,* Spain)
- Jean-Philippe Laval (*Engineering*, France)
- Michele Migliori (*Computational Neuro Sciences*, Italy)

DEISA Extreme Computing Initiative
- Matthias Krack (*Materials Science,* Switzerland)
- Luís O. Silva (*Plasma Physics*, Portugal)
- Rainer Spurzem (*Astrophysics*, Germany)
- David van der Spoel (*Comput. Bio Sciences*, Sweden)

Closing remarks
13.00   **Lunch**

*) For the final agenda of the DEISA PRACE Symposium 2009 please check the below mentioned websites.