

Scientific Computing

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CBC Workshop on High-Performance Computing - June 16, 2009

The recent wide accessibility of multicore-based parallel hardware provides new possibilities for doing high-performance scientific computing. This one-day workshop will touch upon issues such as state-of-the-art parallel hardware, parallel programming techniques, and new scientific applications. It is also intended as a forum for exchanging experiences and ideas among CBC staff and external participants.

Total number of participants: 17
 Total number of guests outside of CBC: 7
 Number of different nationalities represented: 4
 Total number of speakers: 8
 Total number of talks: 7

Program

09:15-10:00 Scott Baden (UCSD) - Coping with Technological Change

10:00-10:45 Hans Ekkehard Plesser (UMB) - Parallel Brain Simulation with NEST: Scaling across Five Orders of Magnitude

10:45-11:00 Coffee break

11:00-11:30 Xing Cai (CBC) - Past and Current Activities on Parallel Computing at Simula

11:30-12:00 Anders Logg and Ola Skavhaug (CBC) - Parallel Data Structures and Algorithms in DOLFIN

12:00-13:00 Lunch break



13:00-13:30 Joachim Berdal Haga (CBC) - Parallelisation of a Large-Scale Fully Coupled Porothermoelastic Basin Model

13:30-14:00 Rolv Erlend Bredeesen (CBC) - A Python Module for Connecting Simulation Components

14:00-14:30 Wenjie Wei (CBC) - Parallel Simulation of Dual Lithology Sedimentation

14:30-14:45 Coffee break

14:45-16:00 Informal discussion (change of room to Mellomrommet)

What	▪ Workshop
When	Jun 16, 2009 from 09:00 AM to 04:00 PM
Where	Bakrommet
Contact Name	Xing Cai
Attendees	Omar Al-Khayat Scott Baden Heidi Bernhoff Xing Cai Stuart Clark Håkon Enger Rolv Erlend Bredeesen John Grue Joachim Haga Atle Jensen Rob Kirby Hans Petter Lantangen Mikael Mortensen Hans E Plesser Ola Skavhaug Andy Terrel Wenjie Wei
Add event to calendar	 vCal  iCal