Scientific Computing

More information about this event...

Workshop - High-Performance and Parallel Computing - October 24, 2007

The focus of this one-day workshop is new architectures and novel programming techniques for parallel computing. In particular, we target multi-core and GPU architectures, and associated enabling software tools. The workshop is organized by Center for Biomedical Computing (CBC) at Simula Research Laboratory.

Total number of participants: 41
Number of Participants not related to CBC: 28
Number of different nationalities represented: 8
Total number of speakers: 8
Total number of talks: 8

Invited International Speakers We are proud to announce the following invited speakers:

- Prof. Scott Baden - University of California, San Diego
- Assoc. Prof. Sverker Holmgren - Uppsala University
- Prof. Christoph Pflaum - Friedrich-Alexander University, Erlangen

Program:

Wednesday, October 24, 2007

Place: "Storstua" at Simula

10.00-12.00 Sverker Holmgren (Uppsala Univ.): *Computational Science and Engineering Software in the Multi-Core Era*

12.00-13.00 Lunch

13.00-13.10 Jacko Koster (Uninett/NOTUR): *New (multi-core) Installations in the Notur Project*
13.10-13.55 Christoph Pflaum (Friedrich-Alexander Univ., Erlangen): *Expression Templates for Handling Parallel Computing and New Architectures*
13.55-14.40 Scott Baden (Univ. of California, San Diego): *A Sustainable Software Ecosystem*

14.40-15.00 Coffee break

15.00-15.30 Johan Seland (SINTEF): *GPU Programming and Computing*
15.30-15.45 Ole Saastad (USIT): *Multi-Core Based Parallel Computing Platforms at the Univ. of Oslo*
15.45-16.00 Jon Nilsen (USIT & Univ. of Oslo): *Managing Huge Data Sets with Grid Technology*
16.00-16.15 Morten Hjorth-Jensen (Univ. of Oslo): *How to Integrate Parallel Computing in Science Educatio* n? (A longer version)

18.30 Workshop dinner: *Restaurant Havsmak, Henrik Ibsens Gate 4*

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- Practical information -

The workshop is free of charge, registration by email to xingca@simula.no before Sunday October 21, 2007.

(Please state in your email whether you want to attend the workshop dinner.)

How to get to CBC at Simula Research Laboratory:

From the airport OSL Gardermoen:

The most convenient way to go from the airport OSL Gardermoen to Simula is to use the Airport express train . The closest train stop is Lysaker, and there is a train departing from Gardermoen to Lysaker every 20 minutes. The train ride from Gardermoen to Lysaker takes 35 minutes and costs NOK 160 (approx. 20 EUR) and you can buy your ticket at the train station.

From *Lysaker train station* , switch to bus 31 towards "Snarøya" or "Fornebu". The bus stop is on your right hand side at the station exit. You can buy a ticket on the bus. There is a bus departing from Lysaker at least every 10 minutes. Take

the bus to "IT Fornebu" bus station (approximately 6 minutes) . From the bus stop at "IT Fornebu", you will be able to see the *"IT Fornebu" building* . The entrance is on the other side (the sea side) of the grey and blue colored terminal building. You will find Simula on the fourth floor. (You may use either the entrance at *Martin Linges vei 25* or *17*).

From the city center:

To go from Oslo City center to Simula, take bus 31 towards "Snarøya" or "Fornebu".
Bus 31 stops at several places in central Oslo; "Kirkeristen", "Kongens gate" and "Nationaltheateret". Take the bus to "IT Fornebu" bus station (approximately 30 minutes, the ticket you buy from the bus driver should cost 33,- NOK) . From the bus stop at "IT Fornebu", you will be able to see the *"IT Fornebu" building* . The entrance is on the other side (the sea side) of the grey and blue colored terminal building. You will find Simula on the fourth floor. (You may use either the entrance at *Martin Linges vei 25* or *17*).

General information about public transport in and around Oslo can be found at Trafikanten.

Our visiting adress:
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Simula Research Laboratory
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1367 Snarøya
NORWAY

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email: post@simula.no

A more detailed description together with a map can be found at:
www.simula.no/contact

What	
When	Oct 24, 2007 from 10:00 AM to 04:30 PM
Where	Storstua at Simula
Contact Name	Xing Cai
Add event to calendar	vCal iCal