

## Scientific Computing

- Publications
- Center for Biomedical Computing
- Projects
- Available Master's topics
- Intranet
- People

## CBC workshop: Current Issues and Activities in the Robust Flow Solvers Project

This meeting will summarize achievements on developing numerical methods and software for incompressible viscous flow at CBC in 2008 and discuss plans for 2009.

Total number of participants: 9  
 Total number of guests outside of CBC: 0  
 Number of different nationalities represented: 3  
 Total number of speakers: 5  
 Total number of talks: 6

### Program

- 09.00 Adaptive Stokes and Overlapping Meshes  
 Kristoffer Selim
- 09.20 Implementation of the k-epsilon Turbulence Model in FEniCS  
 (Kristian Valen-Sendstad)
- 09.40 Toward a Goal-Oriented Error-Controlled Solver for the Incompressible Navier-Stokes Equations  
 (Harish Narayanan)
- 10.00 Cerebrospinal Fluid Flow in Normal and Chiari Subjects  
 (Svein Linge)
- 10.30 Real-Time Flow Simulation  
 (Alf Emil Løvgren)
- 11.00 A Note on the Efficiency and Accuracy of Some Common Finite Element Schemes for the Incompressible Navier-Stokes Equations  
 (Kristian Valen-Sendstad)



At 11.30 there will be a general meeting in Storstua about the evaluation process and then we'll have Christmas lunch.

In the afternoon, we'll have informal discussions in smaller groups.

### Participant list

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<b>What</b>	▪ Workshop
<b>When</b>	Dec 16, 2008 from 09:00 AM to 03:30 PM
<b>Contact Name</b>	Anders Logg Anders Logg

<b>Attendees</b>	Emil Løvgren Svein linge Kristian Valen-Sendstad Marie Rognes Kristoffer Selim Harish Narayanan Kent-Andre Mardal
<b>Add event to calendar</b>	 vCal  iCal