

# Scientific Computing

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

## Workshop on Robust Flow Solvers - January 7-9, 2008

The purpose of the workshop is to gather all participants of the Robust Flow Solver project, to present and discuss current and planned activities and to discover possible synergies and interactions between sub projects. At this meeting, we want to develop a project plan for the coming 3-year period and identify concrete milestones for the different sub projects.

Total number of participants: 15  
 Number of different nationalities represented: 2  
 Total number of speakers: 13  
 Total number of talks: 13

### Participants

Mats Larson (Umeå University)  
 Anders Logg (Simula)  
 Alf Emil Lövgren (Simula)  
 Anders Pettersson Reif (FFI)  
 Kristoffer Selim (Simula)  
 Kristian Valen-Sendstad (Simula)  
 Trond Kvamsdal (NTNU)  
 Runar Holdahl (NTNU)  
 Leif Rune Hellevik (NTNU) ?  
 Kent-Andre Mardal (Simula)  
 Hans Petter Langtangen (Simula)  
 Mikael Mortensen (FFI)  
 Carl Erik Wasberg (FFI)  
 Thor Gjesdal (FFI)  
 Øyvind Andreassen (FFI)

Other interested members of the CBC

### At the meeting, each participant should present:

1. A personal presentation including a short bio (1 slide, see below for further information)
2. The project team including coworkers and other partners involved in the activities
3. A short project plan including milestones for 2008
4. A scientific presentation of the project
5. Possible needs from other projects

### Schedule for Monday Jan. 7, 2008

**11.00 - 11.10:** Introduction by Mats Larson (ML) and Anders Logg (AL), 10 min

**11.10 - 12.00:** Personal presentations (each participant 5 minutes)

To prepare the personal presentation, please submit one slide as a PDF file to [logg@simula.no](mailto:logg@simula.no) by January 4. The slides will be made available for the presentations.

**12.00 - 13.00: Lunch**

**13.00 - 14.30:** Presentation of the *Turbulence Project* by Anders Pettersson Reif

**14.30 - 15.00: Break**

**15.00 - 16.00:** Presentation of subprojects  
 Flow Solver (AL and ML)  
 Error Estimation and Adaptivity (AL and ML)  
 Fluid-Structure Interaction (AL and ML)

**16.00 - 17.00:** Presentations by Emil and Kristian

### Schedule for Tuesday Jan. 8, 2008

**10.00 - 12.00:**

Presentations by Trond Kvamsdal and Leif Rune Hellevik (NTNU)

**12.00 - 13.00: Lunch**

**13.00 - 14.00:** Flow solver requirements for the biomedical applications project by Kent-Andre Mardal



**14.00 -**

Continued discussion and work in smaller groups

## Schedule for Wednesday Jan. 9, 2008

Continued discussion and work in smaller groups

Practical information for guests

<b>What</b>	
<b>When</b>	Jan 07, 2008 10:00 AM to Jan 09, 2008 03:00 PM
<b>Where</b>	Storstua and Bakrommet
<b>Contact Name</b>	Anders Logg
<b>Add event to calendar</b>	 vCal  iCal