

Scientific Computing

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CBC Workshop on experimental, analytical and numerical investigations of blood flow - October 31, 2008

CBC will hold a workshop on experimental, analytical and numerical investigations of blood flow, Friday, Oct 31, 9.00-14.00.

Total number of participants: 10
 Total number of guests outside of CBC: 6
 Number of different nationalities represented: 1
 Total number of speakers: 5
 Total number of talks: 5

Place: Bakrommet@Simula

Some preliminary info:

This workshop will feature talks about past and future research on blood flow. Professor Arnold Bertelsen and his former student Werner Filtvedt, both from the fluid mechanics group at the Dept. of Mathematics, University of Oslo, will first give two comprehensive talks on their experimental, analytical and numerical investigations of blood flow in bends and bifurcations. Thereafter, Simula researchers will present recent work and plans on simulation of specific medical applications involving fluid flow (blood flow in the Circle of Willis, cerebrospinal fluid flow in the upper spinal canal, 1D models for network flow, planned experiments at the hydrodynamic laboratory at the Dept. of Mathematics).

The spoken language will probably be Norwegian.



Preliminary program

- 9:15-11 Arnold Bertelsen: "Flow in bends and bifurcations"
- 11-12 Atle Jensen: "Particle tracking in micro channel bifurcation"
- 12 Lunch
- 1300-1330 Kent-Andre Mardal: "Flow in the circle of Willis"
- 1330-1400 Svein Linge: "Cerebrospinal fluid flow in the upper spinal canal"
- 1400-1415 Geir Pedersen: "1D models for flow in the cardiovascular network"

Participant list

- Hans Petter Langtangen <hpl@simula.no> CBC@SIMULA
- Geir Pedene <geirkp@math.uio.no> MATH@UIO
- Jostein Kolaas ????
- A.F. Bertelsen <arnoldb@math.uio.no> MATH@UIO
- Kristian Valen-Sendstad <kvs@simula.no> CBC@SIMULA
- Oddrun Christin Myklebust <oddrun@simula.no> CBC@SIMULA
- Kent-Andre Mardal <kent-and@simula.no> CBC@SIMULA
- Svein Linge <sveinlinge@simula.no> CBC@SIMULA
- Werner Filtvedt ????
- Arnold Bertelsen <arnoldb@math.uio.no> MATH@UIO
- Atle Jensen <atlej@math.uio.no> MATH@UIO

What	▪ Workshop
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When	Oct 31, 2008 from 09:00 AM to 02:00 PM
Where	Bakrommet
Contact Name	Hans Petter Langtangen
Add event to calendar	 vCal  iCal