

Scientific Computing

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Seminar - Biomechanics - November 15, 2007

Total number of participants: 7
Number of Participants not related to CBC: 2
Number of different nationalities represented: 3
Total number of speakers: 6
Total number of talks: 6

Invited International Speakers

- Professor Patrick Segers (Cardiovascular Mechanics and Biofluid Dynamics Research Unit, Institute Biomedical Technology, Ghent University Hospital)
- Abigail Swillens (Ghent University Hospital)

Program:

Thursday, November 15, 2007

Place: NTNU, at the Biomechanics group

09.15 - 09.40 Sigrid Dahl - *A first approach towards patient-specific 2D FSI-simulation of mitral valve dynamics during diastolic filling*

09.40 - 10.05 Paul Roger Leinan - *Simulations and experiments with the BSCC mechanical heart valve prosthesis*

10.05 - 10.30 Abigail Swillens - *Synthetic Modeling of Ultrasound Fluid Structure Interaction (FSI)*

10.30 - 10.45 Coffee break

10.45 - 11.10 Victorien Prot - *Solid finite element analysis of the mitral valve*

11.10 - 11.35 Prof. Patrick Segers - *Cardiovascular Mechanics and Biofluid mechanics. FSI*

11.35 - 12.00 Prof. Bjørn Skallerud - *Relevant research topics*

12.00 Lunch break