

## Scientific Computing

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### CBC talk: Algorithms for the grade two fluid model - September 2, 2008

Andy Terrel from University of Chicago is visiting CBC and will hold a talk on "Algorithms for the grade two fluid model" at 13:00 in Bakrommet at Simula.



Total number of participants: 10  
 Total number of guests outside of CBC: 1  
 Number of different nationalities represented: 3  
 Total number of speakers: 1  
 Total number of talks: 1

#### Abstract

We present a study of the numerical algorithms for solving a transport equation that is used to model non-Newtonian flow, the grade-two model of Rivlin and Ericksen. Using the FEniCS software project, we are able to perform simulations with numerous algorithms in various domains. This study gives a comparison to the both known and unknown convergence results in the hope to guide application.

#### Participant list

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<b>What</b>	
<b>When</b>	Sep 02, 2008 from 01:00 PM to 02:00 PM
<b>Where</b>	Bakrommet
<b>Contact Name</b>	Anders Logg
<b>Add event to calendar</b>	 vCal  iCal