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CBC Talk on Numerical Methods for Front Propagation - June 7, 2011

The talk will focus on methods for monotone front propagation, and in particular present results from a stencil analysis, some ideas on methods to increase accuracy, and Tor Gillbergs current research on algorithms.

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

The simulation of an expanding front is needed in many applications including grid generation, optimal path planning, and computer visualisation applications such as segmentation of images. Within the Earth sciences, applications include the simulation of seismic traveltimes, and the modelling of geological folds. Modelling of geological folding is a key component of the shared earth model; the Compound model, developed by Kalkulo and Statoil ASA. To obtain a user-friendly interactive application, the numerical computations must be fast and accurate. Therefore, efficiency and accuracy of the used numerical methods are two very important features.

What	▪ Talk
When	Jun 07, 2011 from 10:00 AM to 11:00 AM
Where	Styrerommet @ Simula
Contact Name	Tor Gillberg
Attendees	Are Magnus Bruaset Benjamin Kehlet Christian Tarrou Karen Helene Støverud Kent Andre Mardal Mohammed Sourouri Omar al-Khayat Sven Arne Reinemo Tangui Morvan Tor Gillberg
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