

# Scientific Computing

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## CBC talk: Portable Multi-Level Parallel Programming

**Prof. Gerhard Zumbusch from Friedrich-Schiller-Universität Jena, Germany, will visit CBC next week, between March 4 and March 6. In this connection, Prof. Zumbusch will give a guest lecture about: Portable Multi-Level Parallel Programming**

Total number of participants: 14  
 Number of different nationalities represented: 4  
 Total number of speakers: 1  
 Total number of talks: 1

### Abstract:

High performance computers utilize lots of parallelism at different levels of vectorization, thread parallelism, message-passing between distributed memory architectures and even function off-loading by hardware accelerators. Large scale numerical simulations often offer lots of parallelism, which may be difficult to express in a high level programming language. A common abstract parallel programming style for numerical applications is proposed, which can be translated automatically into parallel code for one or a combination of common programming styles for these parallel architectures.

**The slides of Prof. Zumbusch's guest lecture from today can be downloaded from here:**



<http://heim.ifi.uio.no/~xingca/zumbuscho8.ppt>

**The sourceforge address for Prof. Zumbusch's compiler, libraries and benchmark codes:**

<http://parallel-for.sourceforge.net/>

**For more info about Prof. Zumbusch's publications, please visit**

<http://cse.mathe.uni-jena.de/cgi-bin/bib/show.pl?author=Zumbusch>

<b>What</b>	
<b>When</b>	Mar 04, 2008 from 01:15 PM to 02:00 PM
<b>Where</b>	Bakrommet @ Simula
<b>Contact Name</b>	Xing Cai
<b>Add event to calendar</b>	 vCal  iCal