



EU Regional School 2013 in Computational Engineering Science

Part 1, Course 1–5
January–June 2013

Special Course

Numerical Models for Complexity Reduction in Multiphysics Problems

Prof. Dr. Alfio Quarteroni

Mathematics Institute of Computational
Science and Engineering
École Polytechnique Fédérale de Lausanne

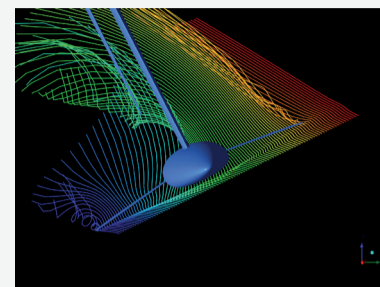
February 19, 2013

9 am–12:30 pm

Rogowski building

Schinkelstraße 2

Kleine Physik, 3rd Floor



Course 1

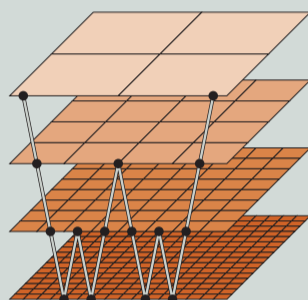
Multigrid Methods

January 15, 2013

1:00–2:30 pm & 3:00–4:30 pm

Prof. Dr. Wolfgang Hackbusch

Scientific Computing
Max Planck Institute for Mathematics in the
Science, Leipzig



Course 2

Domain Decomposition for Partial Differential Equations

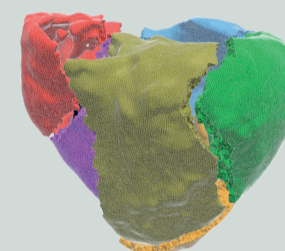
February 18, 2013

1:00–2:30 pm & 3:00–4:30 pm

Kleine Physik, 3rd Floor

Prof. Dr. Alfio Quarteroni

Mathematics Institute of Computational
Science and Engineering
École Polytechnique Fédérale de Lausanne



Course 3

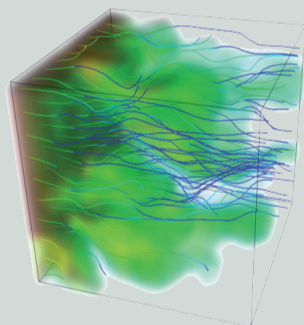
Using Finite Elements via the Deal.II Library

May 8, 2013

1:00–2:30 pm & 3:00–4:30 pm

Prof. Dr. Wolfgang Bangerth

Department of Mathematics
Texas A&M University



Course 4

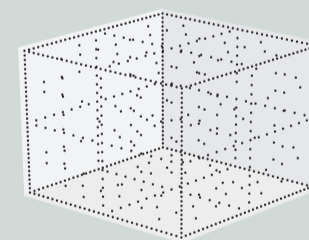
Sparse Grids and Applications

May 29, 2013

1:00–2:30 pm & 3:00–4:30 pm

Prof. Dr. Jochen Garcke

Institute for Numerical Simulation
University of Bonn



Course 5

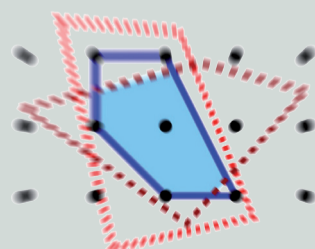
Decomposition Methods for Mathematical Programming Problems

June 11, 2013

1:00–2:30 pm & 3:00–4:30 pm

Dr. Michael R. Bussieck

Algebraic Modeling - Optimization
GAMS Software GmbH, Cologne



Location

The classes take place in Aachen, Germany at AICES Graduate School, Schinkelstr. 2 (Rogowski building), seminar room 115, 1st floor, next to Aachen University main building.

More information can be found here:

<http://www.aices.rwth-aachen.de/contact>

Information

Details on the EU Regional School 2013 are available at:

<http://www.aices.rwth-aachen.de/news-events/eu-regional-school>

Registration for the EU Regional School is not required. If you would like to participate in any of the course or if you need any organizational help, just email to AICES Service Team, Ms. Joëlle Janssen at: janssen@ices.rwth-aachen.de.



AACHEN INSTITUTE FOR ADVANCED STUDY
IN COMPUTATIONAL ENGINEERING SCIENCE

