



EU Regional School 2015 in Computational Engineering Science

Part 1, Courses 1 - 5
January - July 2015

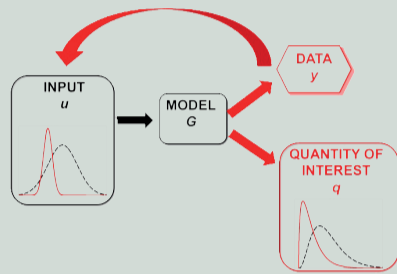
Course 1

Uncertainty Quantification in Statistical Inverse Problems

February 11, 2015

1:00–2:30 pm & 2:45–4:15 pm

Prof. Andrew Stuart
Mathematics Institute
Warwick University



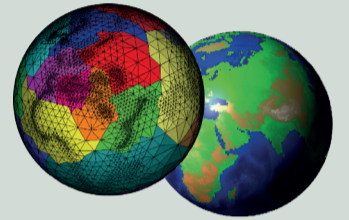
Course 2

Multiscale Dynamics of the Atmosphere – Ocean System and Related Computational Challenges

March 10, 2015

1:00–2:30 pm & 2:45–4:15 pm

Prof. Rupert Klein
Fachbereich Mathematik und Informatik
Freie Universität Berlin



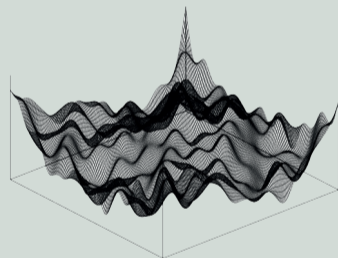
Course 3

Multiple Time-Stepping in Molecular Dynamics: Challenges, Solutions, and Applications

March 17, 2015

1:00–2:30 pm & 2:45–4:15 pm

Prof. Mark E. Tuckerman
Department of Chemistry
Courant Institute of Mathematical Sciences
New York University



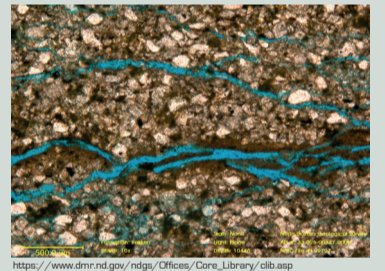
Course 4

Efficient Use of Model Hierarchies in Uncertainty Quantification

May 5, 2015

1:00–2:30 pm & 2:45–4:15 pm

Prof. Robert Scheichl
Department of Mathematical Sciences
University of Bath



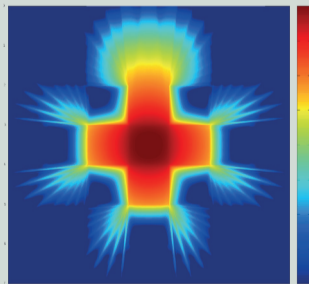
Course 5

Numerical Topics in Collisional Kinetic Equations: Moment Models, Asymptotic Preserving Methods, and Hybrid Approaches

July 17, 2015

1:00–2:30 pm & 2:45–4:15 pm

Prof. Cory Hauck
Computer Science and Mathematics Division
Oak Ridge National Laboratory,
Department of Mathematics
University of Tennessee



Location

The classes take place in Aachen, Germany at the AICES Graduate School, Schinkelstr. 2 (Rogowski Building), Seminar Room 115, 1st floor, next to the RWTH Aachen University main building.

More information can be found here:
<http://www.aices.rwth-aachen.de/contact>

Information

Details on the EU Regional School 2015 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 courses or if you need any organizational assistance, please email AICES Service Team: office@aices.rwth-aachen.de.



AACHEN INSTITUTE FOR ADVANCED STUDY
IN COMPUTATIONAL ENGINEERING SCIENCE

