

# Center for Computational Engineering Science Seminars Summer 2010

19.04  
2010



Prof. Dr. **Wolfgang Schulz**, Fraunhofer Institute for Laser Technology  
RWTH Aachen University  
*Discontinuous-Galerkin Method for Compressible Flows*

07.05  
2010



Prof. **Robert C. Kirby**, Ph.D., Department of Mathematics and Statistics  
Texas Tech University  
*Metanumerical Computing: Motivation, Results, and Opportunities  
in Numerical PDE*

Friday  
12 pm

17.05  
2010



Prof. Dr. **Gerhard A. Holzapfel**, Institute of Biomechanics  
Graz University of Technology  
*Constitutive and Numerical Modeling in Cardiovascular Mechanics*

31.05  
2010



Dr. **Roger A. Sauer**, AICES Graduate School  
RWTH Aachen University  
*Computational Adhesion – Numerical Methods for Adhesive Contact  
Problems at Multiple Length Scales*

14.06  
2010



Prof. **Bruce Christianson**, Ph.D., School of Computer Science  
University of Hertfordshire  
*Automatic Propagation of Uncertainties*

28.06  
2010



Prof. Dr. **Mohamed Masmoudi**, Institut de Mathématiques de Toulouse  
University of Toulouse  
*The Extended Adjoint Method*

05.07  
2010



Prof. Dr. **Wolfgang E. Nagel**, Center for Information Services and HPC  
TU Dresden  
*Solving Large Problems on HPC Systems: Is it Really Energy Efficient, Fast,  
and Easy?*

12.07  
2010



Prof. **Ahmed E. Ismail**, Ph.D., Cluster of Excellence  
Tailor-Made Fuels from Biomass  
RWTH Aachen University  
*Large-Scale Molecular Simulations at Material Interfaces*

