

I³MS Seminars Summer 2017

Institute for Modeling and Simulation

Mondays 4pm at Graduate School AICES, 1st floor, room 115 Rogowski Building, Schinkelstraße 2, 52062 Aachen

15.05.2017



Prof. Dr. Surya Kalidindi

George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology, USA
Materials Data Science and Informatics: A Key Enabler for Accelerated Materials Design, Development, and Deployment

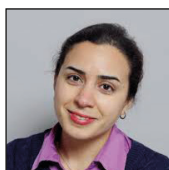
22.05.2017



Dr. Paolo Gatto

Computational Mathematics, RWTH Aachen University
Efficient Preconditioning of hp-FEM Matrices by Hierarchical Low-Rank Approximations

29.05.2017



Dr. Taraneh Sayadi

Institute for Combustion Technology, RWTH Aachen University
Optimization and Control of Complex Flows Using Adjoint-Based Methods

12.06.2017



Dr. Dzmitry Firaha

Graduate School AICES, RWTH Aachen
Reconstruction of the Microcanonical Rate Constant from Experimental Thermal Data

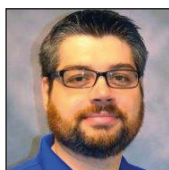
26.06.2017



Prof. Dr. Kranthi Mandadapu

Chemical and Biomolecular Engineering, University of California at Berkeley, USA
Advances in the Theoretical and Computational Modeling of Biological Membranes

03.07.2017



Prof. Dr. James Rossmann

Department of Mathematics, Iowa State University, USA
Adaptive Micro-Macro Decomposition Methods for Kinetic Models in Plasma

10.07.2017



Prof. Dr. Raul F. Tempone

Applied Mathematics & Computational Science, King Abdullah University of Science and Technology, Kingdom of Saudi Arabia
A Potpourri of Results from the KAUST Uncertainty Quantification Center

17.07.2017



CHARLEMAGNE DISTINGUISHED LECTURE - takes place in SuperC, 6th Floor, Generali Room, 3 pm - 4.30pm

Prof. Dr. Wolfgang Marquardt

Chairman of the Board of Directors of Forschungszentrum Jülich
Energiewende - Opportunities for Systems Modelling and Optimization

24.07.2017



Prof. Dr. Axel Klawonn

Numerical Mathematics and Scientific Computing, University of Cologne
Towards Computing on the Extreme Scale in Nonlinear Solid Mechanics