

SSD Seminar Series Winter 2018/2019

School for Simulation and Data Sciences (SSD)

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

01.10.2018



Prof. Ahmet Palazoglu, Ph.D.

Department of Chemical Engineering, University of California, Davis, USA
A new Design Paradigm to Address Demand Response Objectives in Process Systems

15.10.2018



Vijay Vedula, Ph.D.

Department of Pediatrics, Stanford University, USA
Ventricular Hemodynamics in Disease and Development

22.10.2018



Dr. Gianluca Frison

Systems Control and Optimization Laboratory, University of Freiburg, Germany
BLASFEO and its Use in Structure-Exploiting Algorithms for Optimal Control

29.10.2018



CHARLEMAGNE DISTINGUISHED LECTURE - takes place in SuperC, 6th Floor, Generali Room, 3 pm - 4 pm

Prof. Omar Ghattas, Ph.D.

Director of the Center for Computational Geosciences and Optimization
Institute for Computational Engineering and Sciences (ICES), The University of Texas at Austin, USA
Large-Scale Bayesian Inversion with Applications to the Flow of the Antarctic Ice Sheet

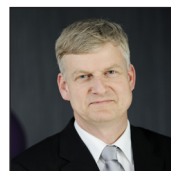
05.11.2018



Prof. Dr. Benjamin Peherstorfer

Courant Institute of Mathematical Sciences, New York University, USA
Learning Context - Aware Reduced Models for Multifidelity Computations

12.11.2018



Prof. Dr. Wil van der Aalst

Chair of Process and Data Science, RWTH Aachen University
Process Mining and Simulation: A Match Made in Heaven

26.11.2018



Prof. Dr. Per Helander

Department of Stellarator Theory, Max Planck Institute for Plasma Physics Greifswald, Germany
Fusion Energy, Stellarators, and the Wendelstein 7-X Project

30.11.2018



Prof. Thomas J.R. Hughes, Ph.D. - takes place in HKW5, Wüllnerstraße 1, 52062 Aachen, 2pm - 3pm

Charlemagne Distinguished Lecturer 2012
Institute for Computational Engineering and Sciences (ICES), The University of Texas at Austin, USA
The Isogeometric Approach to Analysis

03.12.2018



Prof. Jan Hesthaven, Ph.D.

Chair of Computational Mathematics and Simulation Science, Ecole Polytechnique Fédérale de Lausanne, Switzerland
New Directions in Reduced Order Modeling

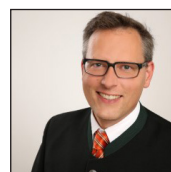
10.12.2018



Prof. Dr. Mapundi Banda

Department for Mathematics and Applied Mathematics, University of Pretoria, South Africa
A Lyapunov Approach to Boundary Feedback Stabilisation for Hyperbolic Balance Laws: a Numerical Perspective

14.01.2019



Dr. Stefan Kollmannsberger

Chair of Computation in Engineering, Technical University of Munich, Germany
Simulation in Additive Manufacturing with Modern Discretizational Techniques

21.01.2019



Prof. Dr. Inga Berre

Department of Mathematics, University of Bergen, Norway
Three-Dimensional Numerical Modelling of Hydraulic Stimulation of Geothermal Reservoirs: Permeability Enhancement and Induced Seismicity