SSD Seminar Series Summer 2019

School for Simulation and Data Science (SSD)

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

15.04.2019

Prof. Ignacio Grossmann, Ph.D.
Department of Chemical Engineering, Carnegie Mellon University, USA
Advances in Nonlinear Mixed-integer and Generalized Disjunctive Programming and Applications to the Optimization of Engineering Systems

30.04.2019

CHARLEMAGNE DISTINGUISHED LECTURE - takes place in KHG Aachen, Pontstr. 72, 52062 Aachen, 4:30 pm - 5:30 pm
Prof. Karen Willcox, Ph.D.
Director of the Oden Institute for Computational Engineering and Sciences & Professor of Aerospace Engineering and Engineering Mechanics
Oden Institute for Computational Engineering and Sciences, The University of Texas at Austin, USA
Projection-based Model Reduction: Formulations for Scientific Machine Learning

06.05.2019

Prof. Dr. Petros Koumoutsakos
Chair of Computational Sciences, ETH Zürich, Switzerland
Computing and Data Science Interfaces for Fluid Mechanics

13.05.2019

Prof. Filippo Lipparini, Ph.D.
Department of Chemistry, University of Pisa, Italy
Multiscale Modeling: a Chemical Perspective to an Interdisciplinary Problem

20.05.2019

Dr. Norbert Hosters
Chair for Computational Analysis of Technical Systems, RWTH Aachen University
Spline-based Methods for Fluid-structure Interaction

03.06.2019

Prof. Marco Picasso, Ph.D.
Mathematics Institute of Computational Science and Engineering, École Polytechnique Fédérale de Lausanne (EPFL), Switzerland
Adaptive Finite Element with Large Aspect Ratio

17.06.2019

Prof. Dr. Morris Riedel
School of Engineering and Natural Sciences, University of Iceland, Iceland
Jülich Supercomputing Centre, Research Centre Jülich
Parallel and Scalable Machine Learning Co-Design of a Modular Supercomputing Architecture
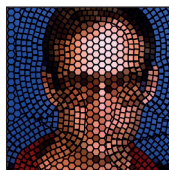
24.06.2019

Dr. Matthias Brockmann
Chair of Machine Tools, RWTH Aachen University
Internet of Production – Need for Simulation and Data Science for the Future of Production

01.07.2019

Prof. Gershon Elber, Ph.D.
Computer Science Department, Technion - Israel Institute of Technology, Israel
Volumetric Representations: the Geometric Modeling of the Next Generation