

## Plenary Lectures – Mathematics

<b>Per-Olof Persson</b> (UC Berkeley, USA)	The Solver Bottleneck: Past, Present, and Future of Scalable Solvers for High-Order Methods
<b>Noémi Petra</b> (UC Merced, USA)	Large-Scale Bayesian Inversion with Complex Models
<b>Michael Ulbrich</b> (TU Munich, Germany)	When PDE-Constrained Optimization Becomes Non-Smooth — and How We Treat It
<b>Ewelina Zatorska</b> (University of Warwick, UK)	Analysis of the Multi-Dimensional Generalization of the Aw-Rascle Model

## Plenary Lectures - Mechanics

<b>Daniel Balzani</b> (Univ. of Bochum, Germany)	Modeling Damage with Nonlocal Approaches for Mesh-Objectivity — Time to Relax?
<b>Eleni Chatzi</b> (ETH Zurich, Switzerland)	From Models to Twins: Parametric Reduction for Adaptive Intelligence
<b>David Nordsletten</b> (University of Michigan, USA)	The Power that Binds Us: Computational Biomechanics in the Heart
<b>Katrin Schulz</b> (KIT, Germany)	Digital Twins in Materials Mechanics: From Descriptive to Predictive Models

## Special Lectures

### Ludwig Prandtl Memorial Lecture

**Detlef Lohse**, University of Twente, Enschede, The Netherlands

### Public Lecture (presented in German)

**Achim Menges** (U Stuttgart)

Integratives computerbasiertes Planen und Bauen