GESELLSCHAFT für ANGEWANDTE MATHEMATIK und MECHANIK e.V.
INTERNATIONAL ASSOCIATION of APPLIED MATHEMATICS and MECHANICS

Plenary Lectures – Mathematics

Dieter Bothe (TU Darmstadt, Germany)	Transport processes at fluid interfaces
Daniel Cremers (TU München, Germany)	Direct methods for camera-based 3D reconstruction & SLAM
Robert Scheichl (University of Bath, UK)	PDE constrained Bayesian inference: when numerics meets statistics
Barry Smith (Argonne National Laboratory, Chicago, USA)	Composable solvers in PETSc/Tao: from linear systems and differential equations to optimization

Plenary Lectures – Mechanics

Dwight Barkley (University Warwick, UK)	A fluid mechanic's analysis of the tea-cup singularity
Peter Betsch (KIT Karlsruhe, Germany)	History and recent developments of energy-momentum schemes
Christian Hellmich (TU Wien, Austria)	Towards unified hierarchical modeling of hard and soft biological tissues
Dennis Kochmann (ETH Zürich, Switzerland)	Mechanical metamaterials

Special Lectures

Ludwig Prandtl Memorial Lecture

Hendrik Kuhlmann (TU Wien, Austria)

Finite-size Lagrangian coherent structures

Public Lecture

Helmut Pottmann (KAUST, Saudi-Arabia / TU Wien, Austria)

Mathematics in modern architecture / architectural geometry