

### Plenary Lectures - Mathematics

<b>Angkana Rüland</b> (University of Heidelberg)	Rigidity and flexibility in the modelling of shape-memory alloys
<b>Sylvia Serfaty</b> (Courant Institute, New York)	Mean field limits for singular flows
<b>Petros Koumoutsakos</b> (Harvard School of Engineering)	Alloys of AI and computational science
<b>Peter Maaß</b> (University of Bremen)	Regularization by architecture: Deep learning for PDE-based inverse problems

### Plenary Lectures - Mechanics

<b>Anna Pandolfi</b> (Politecnico di Milano)	A material point method for advection-diffusion problems in open systems
<b>Katrin Ellermann</b> (Technical University Graz)	Efficient modelling – how simple can it get?
<b>Christoph Egbers</b> (BTU Cottbus)	Fluid Mechanics under microgravity conditions
<b>Huajian Gao</b> (Nanyang Technological University, Singapore)	Mechanics of Peeling Induced Shape Morphing in Plastic Films

### Special Lectures

#### Ludwig Prandtl Memorial Lecture

**Clarence K "Rowley** (Princeton University, USA)

Data-driven modeling of fluid flows

#### Public Lectures

**Wolfgang Ehlers** (Universität Stuttgart)

100 Jahre GAMM: Motivation, Historie und Errungenschaften

**Harald Lesch** (LMU München)

Was hat das Universum mit mir zu tun?