



International Centre for Mechanical Sciences

Advanced Courses 2026

GEORGE M. (BUD) HOMSY Session

Fluid-Structure Interaction of Bioinspired Systems

Garcia-Villalba Manuel (Wien, AT)

April 20 - 24

Parameter Identification using Full-Field Measurements

Hartmann Stefan (Clausthal, DE), Hild François (Gif-Sur-Yvette, FR)

May 4 - 8

Fluid Mixing: Fundamentals and Practices

Burghlea Teodor (Nantes, FR), Villermaux Emmanuel (Marseille, FR)

May 11 - 15

Filtered Modelling Approaches for Industrial Gas-Particle Suspensions: Basics and Future Developments

Fede Pascal (Toulouse, FR), Schneiderbauer Simon (Linz, AT)

May 18 - 22

Modeling of Nonstationary Thunderstorm Winds and Their Impact on Structures and Infrastructures

Caracoglia Luca (Boston, MA, USA), Hangan Horia (Oshawa, Ontario, CA)

May 25 - 29

Brownian Motion, Hydrodynamics Fluid-Particle Interactions, and Fluctuation-Dissipation Relations

Giona Massimiliano (Rome, IT), Raizen Mark (Austin, TX, USA)

June 15 - 19

Wind Engineering: Bridging Experimental, Field, and Numerical Techniques

Bitsuamlak Girma (London, Ontario, CA), Mariotti Alessandro (Pisa, IT)

June 22 - 26

Mechanics of the Deep Lung

Jensen Oliver E. (Manchester, UK), Romanò Francesco (Lille, FR)

June 29 - July 3

Two Phase-flow and Phase-change: Experiments, Simulations and Modeling

Bucci Matteo (Cambridge, MA, USA), Roccon Alessio (Udine, IT)

July 6 - 10

Fluid Flow and Geometry: On, In, and Of

Hanna James (Reno, NV, USA), Rallabandi Bhargav (Riverside, CA, USA)

July 13 - 17

Severe Convective Storms and Hail

Manzato Agostino (CNR-ISAC, Bologna, IT), Sioni Francesco (ARPA FVG, Palmanova, Udine, IT)

July 20 - 24

LAMBERT BEN FREUND Session

Damage and Fracture Mechanics of Fluid-infiltrated Geo-materials

Kondo Djimédo (Paris, FR), Lecampion Brice (Lausanne, CH)

September 7 - 11

Continuum Modelling of Complex Fluids

Biancofiore Luca (L'Aquila, IT), Poole Rob (Liverpool, UK)

September 14-18

Computational and Geometric Mechanics of Discrete and Continuum Systems

Müller Andreas (Linz, Austria), Terze Zdravko (Zagreb, Croatia)

September 28 - October 2

Modeling the Biomechanics of Soft Tissues:

Experimental Methods, Theoretical Bases and Computational Challenges

Gizzi Alessio (Rome, IT), Pandolfi Anna (Milan, IT)

October 12 - 16