

SUMMER SCHOOL ON EXPERIMENTAL NANO- AND MICROMECHANICS

Register by
May 31th

School Basic Information

- **Dates:** July 24-28 2023
- **Venue:** Università degli studi Roma Tre,
Department of Civil, Computer and Aeronautical
engineering (Rome, Italy) – www.uniroma3.it
- **Registration at:**
<https://mecanano-school-2023.sciencesconf.org>

Topics

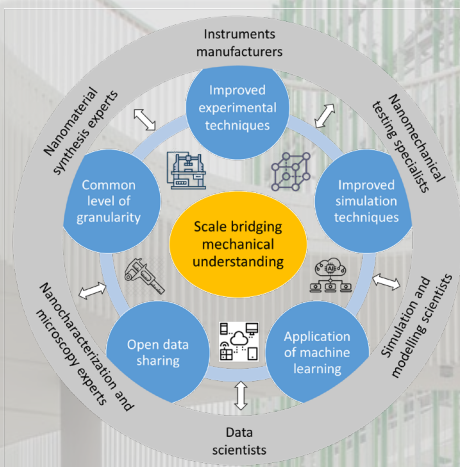
- Advanced nanoindentation
- Small scale plasticity
- Molecular Dynamics
- Dislocation Dynamics
- Microcompression testing
- Fracture mechanics
- Micro-fracture experiments
- SEM/FIB, EBSD and ECCI
- Advanced TEM
- Testing in extreme conditions
- Fundamentals of AI/ML
- AI&ML for nanomechanics

Confirmed Lecturers

- George M. Pharr
- Erik Bitzek
- Roman Gröger
- Marc Fivel
- Christoph Kirchlechner
- Edoardo Rossi
- Daniel Kiener
- Xavier Maeder
- Nadine Schrenker
- Jon Molina
- Stefan Sandfeld
- Chris Eberl



European Network for the Mechanics of Matter at the Nano-Scale (MecaNano)



The Challenge:

MecaNano is intended as a broad international cooperation aiming to advance the multiscale understanding of the mechanical behavior of nanostructured materials.

The Network and the leadership:

MecaNano combines the expertise and resources of European and associated researchers from >37 countries.



Action chair:

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