SUMMER SCHOOL ON EXPERIMENTAL NANO- AND MICROMECHANICS

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](http://www.uniroma3.it)
- **Registration at:** [https://mecanano-school-2023.sciencesconf.org](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

Register by May 31st
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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