12 Novembre 2026

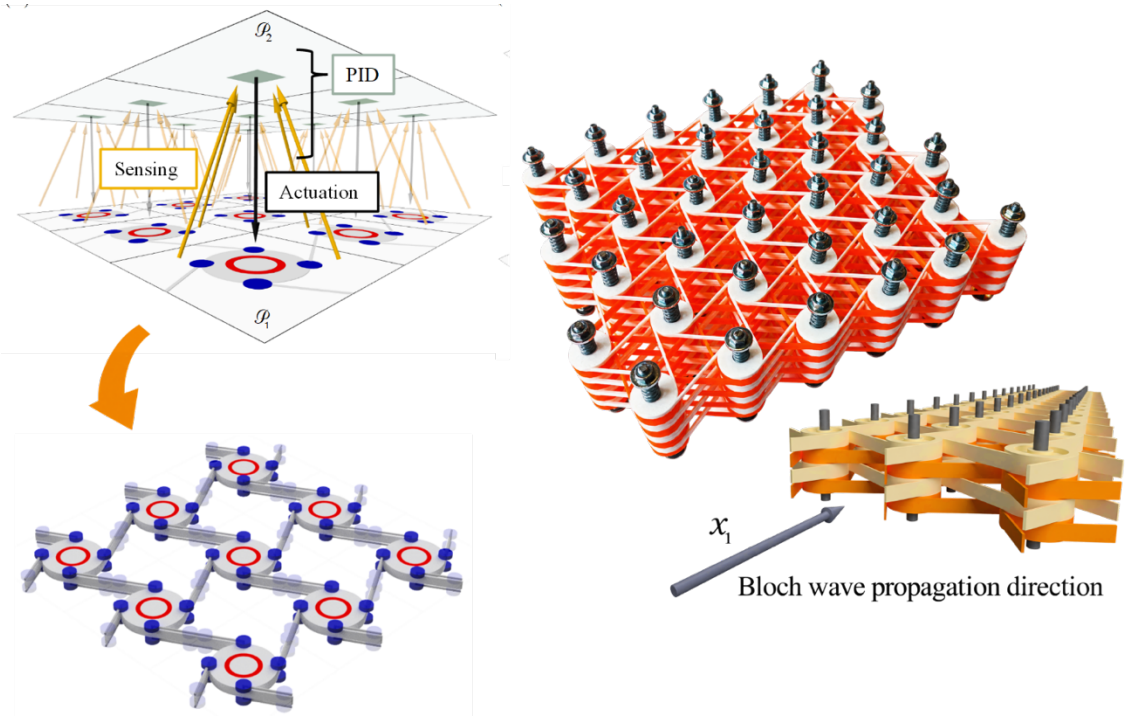
Ore 11.30, Aula MS1 (DICAr)

Modeling and Control of Smart Mechanical Metamaterials

Paolo Badino

Università degli Studi di Genova

This seminar explores the modeling and control of smart mechanical metamaterials with periodic chiral architectures. Through discrete and continuum formulations, the mechanical response of these systems is investigated across different scales. Passive, semi-active, and active strategies are examined to tailor their overall response, highlighting how microstructural design and controllable internal interactions enable tunable mechanical properties and programmable wave propagation behavior.



Picture adapted from *International Journal of Engineering Science*, 2026, 229: 104627, *Meccanica*, 2025, 60(8): 2197–2221.

Info: simone.morganti@unipv.it

COMPMECH
Computational Mechanics & Advanced Materials