



Enriched Continua for Finite-sized Metamaterials

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Date	May 27, 2025
Time	9:30 – 10:30
Room	R2, DICAM, Mesiano

This talk focuses on enriched continuum modeling of finite-sized, mechanical, band-gap metamaterials using the reduced, relaxed, micromorphic model (RRMM).

Unlike the bulk behavior usually considered, we focus on finite-sized metamaterials.

Each is constructed from a different unit cell "cut," which dictates the boundary effects that arise.

By coupling the RRMM with the method of interface forces, we can include these effects in the reduced relaxed micromorphic framework.