

RINALDI, Renaud

Maître de conférence

renaud.rinaldi@insa-lyon.fr

+33 4 72 43 62 09

MATEIS - PVMH

Bâtiment Blaise Pascal 5ème étage

7 Avenue Jean Capelle

69100 VILLEURBANNE



Research activities / interests

Keywords

Architected materials, constitutive equations for polymers, mechanical testing, finite elements simulations, damping, foams, lattices

Ongoing projects

- Compressive response of polymer lattices (UCSB collaboration)
- Mechanical properties of flexible foams (LaMCoS – Cornilleau collaborations)
- High stiffness, high damping composites (ANR Matamor proposal)
- Architected polymer films (ANR Samba)

Institutions as staff member

- Massachusetts Institute of Technology, Mechanical Dpt: Post-Doc
- University of California Santa Barbara, Structural Materials: Post-Doc
- INSA Lyon, MATEIS-PVMH: ATER

Institutions as student

- ISTIL Engineering School: Solid Mechanics
- MEGA Master's program : Solid Mechanics
- INSA-Lyon – GEMPPM lab: PhD thesis

Teaching activities

- INSA SCAN 1st (ATER): Electrodynamics (1a), lab work (2a)
- INSA GMPP Department: Statistics, lab work (TPMD)

Administrative responsibilities

- GABO dynamic mechanical testing
- VIDEO-TRACTION non-contact extensometer
- PVMH webmaster
- **Compost ... in green we live**