

FUSCO, Claudio

Maître de Conférences

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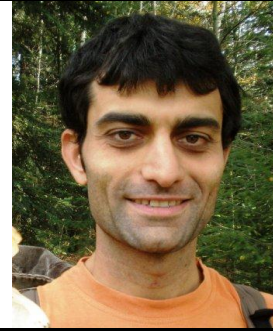
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MATEIS - PVMH

Bâtiment Blaise Pascal 5ème étage

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69100 VILLEURBANNE



Research activities / interests

Keywords

Heterogeneous materials, metallic glasses, amorphous polymers, composite materials, mechanical properties, plasticity, fracture, atomic-scale friction, atomistic simulations (Molecular Dynamics), multi-scale modelling

Ongoing projects

- Atomic-scale simulations of the mechanical behaviour of heterogeneous materials
- Fracture and damage dynamics in disordered materials
- Plasticity in metallic glasses
- Vibrational properties of amorphous silicon
- Modelling of relaxation phenomena in amorphous polymers
- Modelling of acoustic emission in composite materials

Institutions as staff member

- INSA Lyon, MATEIS (since 2013)
- Université Lyon 1, ILM (2011-2013)
- Solvay research center Lyon, LPMA (2010-2011)
- TNO (Research Center for Applied Science), The Netherlands (2007-2009)

Institutions as student

- Radboud University Nijmegen, The Netherlands, PhD (2005)
- Roma Tre University, Physics department, Italy, Master (2000)

Teaching activities

- INSA 1st year: General Physics and Mathematical tools

Administrative responsibilities