

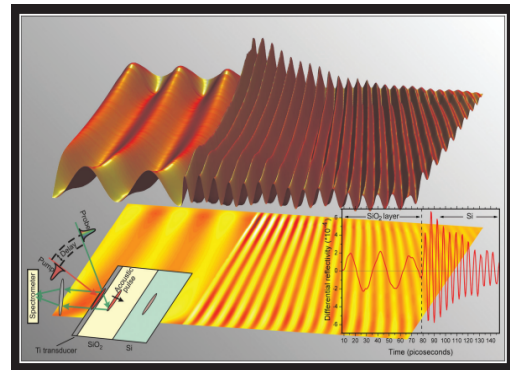
The Laboratory for Ultrafast Spectroscopy @ Physics Department, University of Rome "Sapienza", I

is looking for:

Postdoctoral Fellow in the following area:

Pos. #2: Coherent Phonon Generation and Detection in Extreme Conditions by Ultrashort Light Pulses

Building on a Ti:Sa regeneratively amplified laser source, we developed a novel pump probe layout for generation and broadband probing of optic and acoustic-like dynamics in crystalline and amorphous materials in the range 40-400 GHz. Further details can be found in:



http://femtoscopia.phys.uniroma1.it/scopigno/static/RES_ACT/my_papers/APL_98_011901.pdf

Initial appointment is for 1 year with possible extension upon mutual consent.

Your profile:

Candidates with experimental background in phonon dynamics in disordered and/or correlated systems are encouraged to apply. Previous hands on experience with ultrafast time-resolved optical techniques and/or phonon spectroscopies (Brillouin and Raman scattering, Inelastic X-ray and Neutron Scattering) is highly appreciated. Excellent communication skills and team spirit are required.

Your task

Successful applicant is expected to prepare and carry out experiments together with our team. Carry out own research in the area of high frequency dynamics in amorphous materials and/or correlated systems in extreme thermodynamic conditions.

For an overview of our current research see:

<http://femtoscopia.phys.uniroma1.it/scopigno/index.php/Research-Topics/>

Applications (including CV, list of publications and coordinates of at least three referees) should be addressed by email to: Tullio Scopigno, tullio.scopigno@roma1.infn.it (phone +39 06 4991 3314)