PhD POSITION ADVERTISEMENT
“Nonlinear Optics, Nonlinear Dynamics and Lasers” (DONLL) Group
Universitat Politècnica de Catalunya (UPC)

Light and sound waves in crystals, structured media and metamaterials

DONLL, Nonlinear Dynamics Nonlinear Optics and Lasers group at Universitat Politècnica de Catalunya is looking for motivated candidates for a 3 year PhD grant associated with the research project “Light and sound waves in crystals, structured media and metamaterials” sponsored by the Spanish Government (Ministerio de Economía y Competitividad).

Subject: Waves and beam management in complex meta-surfaces and metamaterials, gain absorption in complex metamaterials, linear and nonlinear phenomena in photonic and phononic metastructures, quasi-periodic or random photonic structures.

The project combines theoretical and analytic studies (design, numerical simulations) with experimental work and characterization of the studies samples.

Candidate requirements

The candidate must hold a Bachelor in Physics or Engineering and a Master degree of a minimum of 60 ECTS.

Information of the grant

Public pre-doctoral research grant: FPI (Formación Personal Investigador) founded by the Spanish Government (Ministerio de Economía y Competitividad). The call is expected to appear in July, and will be announced at the ministry webpage. (http://www.idi.mineco.gob.es/portal/site/MICINN)

Contact information

CV must be sent before the end of July both to Kestutis Staliunas (kestutis.staliunas@icrea.cat) and Jose Trull (jose.francisco.trull@upc.edu).