



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).

