

The Electronics Engineering Department of the Universitat Autònoma de Barcelona (UAB) is seeking for a MSc in Physics, Nanotechnology, Materials Science and Electrical or Telecommunications Engineering, or similar areas, with good academic marks to start a PhD thesis.

We offer a 3-year PhD position, deadline for application is May 6th, 2019, which includes teaching tasks (6ECTS/year) and offers granted research stays abroad.

The scope of the thesis is the modelization and the experimental study of novel nano-optoelectromechanical systems (NOEMS) based on 2D-materials, and their application to the conversion of energy from IR electromagnetic radiation sources to the electrical domain.

Previous experience on computational simulation methods, mathematical modeling, experimental optics and electronics and control of measurement instrumentation, will be appreciated but not required.

Candidates may send an email to gabriel.abadal@uab.cat including their motivations to apply for this position and attaching a CV and academic transcripts.