**PhD SCHOLARSHIP**

**UNIVERSITY OF SALENTO-CNR NANOTEC**

Posizione

In the framework of the cooperation between CNR Institute of Nanotechnology (CNR NANOTEC) and University of Salento we are looking for highly motivated, enthusiastic and outstanding candidates for research positions in the following areas:

1. Design and fabrication of optoelectronic devices based on nanotechnologies for applications in building integration.
2. Design and fabrication of optoelectronic devices based on nanotechnologies for applications in lighting.
3. Design and fabrication of optoelectronic devices based on nanotechnologies for applications in smart textiles.

The successful candidates will work on joint projects born from the collaboration between University, CNR and different companies and will be part of the Optoelectronic Devices group which is at the forefront in the field of nanomaterials-based devices (solar cells, LED, electrochromics, smart textiles), with a long list of publications and patents and many international collaborations.

Sede: Lecce

Posizioni aperte 3

For all the positions a Master degree in materials science, engineering or equivalent, a minimum experience in research laboratories and basic notions in material science are required.

Titolo di studio Laurea: Magistrale/ciclo Unico (secondo livello)

Area disciplinare: ingegneria, scientifico, geo-biologico

Classe di laurea: Scienza e ingegneria dei materiali (LM-53, 61/S), Scienze chimiche (LM-54, 62/S), Scienze e tecnologie della chimica industriale (LM-71, 81/S), Ingegneria chimica (LM-22, 27/S), Ingegneria dell'automazione (LM-25, 29/S), Ingegneria elettrica (LM-28, 31/S), Ingegneria elettronica (LM-29, 32/S)

Disponibilità al trasferimento: Sì

Disponibilità trasferimento all'estero: Sì

The CNR Institute of Nanotechnology (CNR NANOTEC), with headquarter in the University of Salento (Lecce) and research centers in Rome, Bari and Cosenza is a multidisciplinary research centre featuring more than 12000 sqm of newly built labs and clean rooms and more than 200 researchers coming from physics, chemistry, biology, medicine and engineering areas, including several recipients of awards from the European Research Council. CNR NANOTEC in collaboration with the University of Salento is launching a new, long-term research programme to develop novel optoelectronic devices based on nanotechnologies for applications in building integration, smart textiles and lighting. The final purpose of this research is the development of a new generation of integrated devices that can reduce energy consumption for environmental sustainability.