



FCT PhD
PROGRAMMES



2nd announcement

Doctoral Programme in Advanced Integrated Microsystems – AIM



The goal

This doctoral programme will provide advanced training in the design and implementation of miniaturized multifunctional devices and systems fabricated using top-down and bottom-up micro and nanofabrication techniques. These systems will be applied to bioprocessing, biotechnology, biomedicine, pharmaceutical sciences, biosensing for biomedical, environmental and food safety, and physical sensing – optical, magnetic, electronic, micromechanical.

The team

Research groups from INESC Microsystems and Nanotechnologies (www.inesc-mn.pt), International Iberian Nanotechnology Laboratory INL (www.inl.int), INESC ID (www.inesc-id.pt), Instituto de Tecnologia Química e Biológica (www.itqb.unl.pt), Institute for Biotechnology and Bioengineering (www.ibb.pt), and Research Institute for Medicines and Pharmaceutical Sciences (www.imed.ulisboa.pt) will provide multidisciplinary expertise in micro and nanofabrication, circuit and systems design and addressing, and in bioengineering, biomedical and technological applications.

Degree

The doctoral degrees will be awarded by the Universidade de Lisboa (www.ulisboa.pt) and the Universidade Nova de Lisboa (www.unl.pt). The research will take place in the laboratories of the team institutions in Lisbon and Braga in Portugal, with stays in Portuguese and international associate partner laboratories in academia and in industry.

Fellowships available and expected timings

A set of 4-year doctoral fellowships is available. Applications for the first call will be open during **May 2015** for the doctoral programme to start in the **Fall of 2015**. This doctoral programme will open further calls in 2016, 2017 and 2018.

Further information

Detailed information regarding AIM and upload of applications can be found in aim.tecnico.ulisboa.pt and in the webpage of Técnico, the engineering school of the Universidade de Lisboa (www.tecnico.ulisboa.pt).

Contact

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