

Delegation - Spain



Luis Fonseca
CNM-CSIC, Director



Dr. Luis Fonseca was born in Barcelona, Spain, in 1966. He received his Ph.D. degree in Physics from the Autonomous University of Barcelona in 1992. He has developed his professional career in the Barcelona site (IMB) of the National Center of Microelectronics (CNM). After a first research period on thin dielectrics, he worked as a process engineer, being in charge of the diffusion and deposition areas of the CNM production facilities, until he joined the Microsystems department as a full senior researcher in 2001. His field of work was initially infrared gas sensing and, nowadays, microenergy harvesting and generation, particularly micro thermogenerators based in thin films or low dimensional materials (i.e. Si NWs), and micro fuel cells. He has participated in tens of national and international projects dealing with micro-nanotechnologies and has published about 90 papers. He coordinated the FP7 SiNERGY project (FP7-NMP-2013 GA 604169), which focused in Silicon friendly materials and device solutions for microenergy applications.

Among other responsibilities, Luis Fonseca has led the 'MicroEnergy sources and Sensor Integration' research group of IMB-CNM, he was deputy director of the institute in the period June 2012-June 2016, and he is its current director since May 2021; he is member of the Steering Committee of the European Technology Platform on Smart Systems (EPoSS) since June 2008.