

Clivia M. Sotomayor Torres

Professor Clivia M. Sotomayor Torres obtained her BSc. (Hons.) Physics in 1979 (Southampton University, UK) and her Dr. Phil. in Physics in 1984 (Manchester University, UK) with a thesis on semiconductor physics. During 1983-1984 she was a research assistant at the University of St. Andrews (UK). This appointment was followed by: 1984-87 Lecturer in Physics, St. Andrews University (UK), 1986-1996 Lecturer and Senior Lecturer in Electrical Engineering at the University Glasgow (UK). Clivia has received three prestigious awards from the Royal Society of Edinburgh, the Nuffield Foundation and an Amelia Earhart Fellowship from ZONTA International (USA) in 1993, 1990 and 1982, respectively. From August 1996 to February 2004 she was Professor of Materials Sciences in Electronics at the University of Wuppertal, Germany. From 2004 till 2007 she was a research professor at University College Cork (NMRC-Tyndall). Since 2008 she is full-time ICREA Research Professor at the Catalan Institute of Nanotechnology where she set up the Phononic and Photonic Nanostructures group.

She carries out research in the field of science and engineering of optical nanostructures, especially novel lithography methods for their realisation, such as nanoimprint lithography, light propagation and emission in periodic and quasi-periodic media and more recently confined phonons in silicon-on-insulator thin films and nanometrology.

She is author of over 350 scientific publications and has edited six books. She is member of the Management Team of the Scientific Community Council of the European Technology Platform on Nanoelectronics ENIAC.

She has participated in several EU projects since 1989. Clivia currently participates in NANOPACK, NAPANIL, NANOICT and TAILPHOX.

She coordinated the EU IST Network of Excellence "Nanophotonics to realise molecular-scale technologies" (PHOREMOST) between 2004 and 2008.

