

Prof. Fernando Briones Fernandez-Pola, born in Madrid ,1943

Ph.D. in Physics, University Complutense of Madrid in 1972. Since 1989 is Professor of Research, now emeritus, at National Centre of Microelectronics, Consejo Superior de Investigaciones Científicas and from 1995 to 2005 Director of the Instituto de Microelectronica de Madrid-CNM-CSIC.

Active in the fields of Solid State Physics and Technology, Molecular Beam Epitaxy of compound semiconductors, self-assembled semiconductor and magnetic nanostructures, he has published over 300 papers in SCI journals, obtained 15 patents, two of them in exploitation by VEECO, USA, supervised 22 Ph.D. Thesis. He has been developing MBE and nanotechnology processes for IR and UV detectors, bio-sensors, space instrumentation, optoelectronics, and advanced photovoltaic solar cells.

He has been researcher at Max-Planck Institut in Munich (1972-76), at HP Materials Research Labs in PaloAlto (1980-81), and at University of Colorado-Boulder, USA (1995), invited researcher at NTT research Labs in Tokio (1988-89) and MBE consultor for Samsung Research Labs in Seul (1996).

He has been PI of 12 EC funded European projects, 2 EU Networks of Excellence and 20 National Research projects, 3 I+D contracts of Ministry of Defense, a coordinated CONSOLIDER-INGENIO 2010 project, and NANOGEFFES 2009-2012 GENESIS on photovoltaic solar cells and various technology transfer projects.

Along 2007-2013 he has been serving as PE3 Panel Member of the Evaluation Committee for RTD-ERC-IDEAS Starting Grants and Consolidators Programs and in 2009 President of the Review Panel for Nanoscience and Nanotechnology of the Swedish Research Council.

He has been co-founder in 2003 of the Spanish Nanotechnology Network NANOSPAIN. From 1988 to 1996 has been Coordinator for the Physics and Technology Area of CSIC and member of the National Advisory Board for Science and Technology.

In 2005 he obtained the Jaime I Prize for Novel Technologies. From 2009 to 2012 member of the Advisory Board on Research Ethics of CSIC and in 2015 member of the Research Ethics Advisory Panel of ERC.

Since 2006 is Academician of the Royal Spanish Academy of Sciences.