

MMS2019 - Delegate Member Biography Form of Iberian

First Name	Sandra	Last Name	Bermejo
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Biography	Photo
<p>Sandra Bermejo received B.S. and Ph.D. degrees from the Barcelona School of Telecommunication Engineering, UPC, in 2000 and 2004 respectively. In 2000, she joined the Micro and Nano Technologies research group as a research assistant. In 2001 she worked as assistant professor till 2008, when she became an associate professor. She was awarded with a scholarship from the Albert Ludwigs Universität Freiburg to perform a postdoctoral stage in The Fraunhofer Institute Freiburg, Germany. In 2014 she worked as the coordinator of the Electronic Engineering Master and from 2015 to the present time, she is the Vice Dean of Barcelona School of Telecommunication Engineering (ETSETB).</p> <p>She start her research working in the design and fabrication of a wind sensor for Mars. She has contributed research to photovoltaic cells, energy harvesting for smart sensors, and MEMS actuators. She is currently working on approaches tailored towards the fabrication of functional nano-devices by means of electrowetting and electrospray techniques in the fields of photonics and energy. She is specially devoted to the development of new metamaterials for space applications instrumentation.</p> <p>She is author and co-autor of two patents, three book chapters, more than 30 international journal papers of great impact and more than 40 international conference journal papers. She has participated in 18 IT research programs including the development of the Mars sensors for Curiosity and InSight robots. She has been manager of two technology transfer projects with companies like FICOSA, INTERCOMET, and research centers like LEITAT or IRIS, among others. She is currently managing a European Space Agency (ESA) TENDER project dealing with the development of a novel supercapacitor technology, based on a metamaterial concept.</p>	
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