

**2016 IEEE MTT-S Latin America Microwave Conference (LAMC 2016)  
Puerto Vallarta, Mexico, Dec. 12-14, 2016**

**Special Sessions**

**SS-3: Microwave Research and Technology Activities in Spain (Part I) (Tu-2)**

Day: Tuesday, December 13  
Room: Violeta/Tulipan  
Time: 8:50–10:30

Organizers:

Vicente E. Boria-Esbert (Technical University of Valencia) and  
Miguel A. Gómez-Laso (Public University of Navarre)

Abstract:

This special session is aimed at highlighting the main research lines, as well as the most relevant scientific and technological achievements, in the areas of RF circuits, microwave components and antennas that are being developed in Spain. For this purpose, several descriptive and technical presentations about recent activities performed by several Spanish research groups (from different R&D institutions and Universities) will be shown, covering the areas of analysis and design of active and passive components including various technological realizations.

Time	ID	Paper#	Title / Authors / Affiliations
8:50 to 9:10	Tu-2-1	119	<b>Computer-Aided Design (CAD) of Filters and Multiplexers for Passive Inter-Modulation (PIM) Set-ups</b> P. Soto <sup>1</sup> , D. Smacchia <sup>2</sup> , C. Carceller <sup>1</sup> , V. E. Boria <sup>1,2</sup> , M. Guglielmi <sup>1</sup> <sup>1</sup> Technical University of Valencia, Valencia, Spain, <sup>2</sup> Val Space Consortium, Valencia, Spain
9:10 to 9:30	Tu-2-2	121	<b>Microwave periodic structures and synthesized structures with smooth profiles and their applications</b> I. Arnedo, I. Arregui, F. Teberio, M. Chudzik, A. Lujambio, D. Benito, J. Percz, A. Gomez-Torrent, T. Lopetegi, M. A. Laso Public University of Navarre, Pamplona, Spain
9:30 to 9:50	Tu-2-3	125	<b>Recent Advances in the Design of Compact Microwave Components Based on Reactively-Loaded Transmission Lines</b> J. Selga, P. Vélez, M. Orellana, J. Bonache, F. Martin Universtitat Autònoma de Barcelona, Bellaterra, Spain
9:50 to 10:10	Tu-2-4	127	<b>Analytical and highly efficient numerical modeling of electromagnetic periodic structures</b> F. Medina, F. Mesa, R. Rodriguez-Berral, R. R. Boix University of Seville, Seville, Spain
10:10 to 10:30	Tu-2-5	133	<b>The Radiofrequency, Electromagnetics, Microwaves and Antennas Research Group (GREMA)</b> D. Segovia Vargas, M. Salazar Palma, J. Herraiz Martinez, L. García Muñoz, L. García Castillo, A. Rivera, K. Abdalmalak, G. Santamaría, F. Albarracin Vargas, A. García Lampérez, S. Llorente Romano Carlos III University, Leganés, Spain