



LSGI Distinguished Lecture Series

“DInSAR Processing of High Resolution and Polarimetric Data”

Overview

It was our pleasure to invite Prof. Jordi J. Mallorqui, Professor, Signal Theory and Communications Department, Universitat Politècnica de Catalunya, Spain, to deliver a seminar of the LSGI Distinguished Lecture Series on 25 September 2017.



Biography

Prof. Jordi J. Mallorqui was born in Tarragona, Spain, in 1966. He received the Ingeniero degree in telecommunications engineering and the Doctor Ingeniero degree in telecommunications engineering for his research on microwave tomography for biomedical applications in the Department of Signal Theory and Communications from the Universitat Politècnica de Catalunya (UPC), Barcelona, Spain, in 1990 and 1995, respectively. Since 1993, he has been teaching at the School of Telecommunications Engineering of Barcelona, UPC, first as an Assistant Professor, later in 1997 as an Associate Professor and since 2011 as a Full Professor. His teaching activity involves microwaves, radionavigation systems, and remote sensing at different levels.

He spent a sabbatical year with the Jet Propulsion Laboratory, Pasadena, CA, in 1999, working on interferometric airborne synthetic aperture radar (SAR) calibration algorithms. He is currently working on the application of SAR interferometry to terrain deformation monitoring with orbital, airborne, and ground data; vessel detection and classification from SAR images; and 3-D electromagnetic (EM) simulation of SAR systems. He is also collaborating in the design and exploitation of small SAR interferometers on-board UAVs for subsidence and landslide control.

He holds one patent and has published more than 130 papers in refereed journals and international symposia. He has served as Associate Editor of IEEE Transactions on Geoscience and Remote Sensing and Guest Editor of Journal of Applied Geophysics, and he has also been member of the Scientific Committee of several international symposia. He is also a regular reviewer of many international journals and symposia. He has also directed 15 PhD Thesis (4 of them ongoing) and more than 50 end-of-degree/MSc projects. Dr. Mallorquí has been participated in 53 projects financed with public funds, 27 of them as principal investigator, 20 projects financed by private companies, 12 of them as principal investigator. It can be highlighted the European project NEREIDS (FP7-SPACE-2010-1- 263468) and the release of licenses for its commercial exploitation of the 3D SAR Simulator GRECOSAR to GMV and the DInSAR processing tool SUBSIDENCE-GUI to DARES TECHNOLOGY.