



research today for land use tomorrow

Macaulay Land Use Research Institute Seminar

Wednesday 28 July

Dr. Juan M Lopez-Sanchez

Department of Physics, System Engineering and Signal Theory, University of Alicante

Recent experiences on agriculture monitoring using satellite radar techniques

- A short review of satellite radar remote sensing (SAR) and special issues for agriculture (repeat time, resolution, etc.).
- SAR polarimetry and its potentials for agriculture (sensitivity to shapes, orientations, etc.).
Current/future sensors.
- Results with rice fields at X and C band: phenology tracking and detection of cultivation problems
- Preliminary results over other crops (ESA-AgriSAR2009 campaign, retrieval of crop height with PolInSAR, etc)

Currently, Dr Juan Lopez-Sanchez is an Associate Professor in Signal Theory and Communications at the Department of Physics, System Engineering and Signal Theory of the University of Alicante.

His research activities are carried out at the Signals, Systems and Telecommunication Group (SST).

Since 2007 he is part of the University Institute for Computing Research (IUII).

11am in Macaulay Suite B

All welcome

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