Departamento de Física de la Materia Condensada

Universidad Zaragoza

SEMINARIOS 2016

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Instituto de Ciencia de Materiales de Sevilla

Solution Processed Optical Materials for Optoelectronic Devices

In this seminar, I will discuss on different light harvesting strategies that make use of solution processed optical materials integrated in optoelectronic devices. Approaches based on the inclusion of dielectric and metal particles, periodically textured surfaces or dielectric mirrors will be presented, and the different scattering or near field enhancement effects involved discussed. The interplay between the electrical and optical properties of the devices will also be addressed. Actual examples of device realization will be provided.

MÍGUEZ, Hernán (born May 1971 in Buenos Aires, Argentina) is Research Professor of the Spanish National Research Council. After defending his PhD in Physics in the Autonomous University of Madrid (2000) and a postdoctoral stay in the University of Toronto from 2000 to 2002, he got a permanent position in the Institute of Materials Science of Seville (ICMS) in 2004. He leads the research group of Multifunctional Optical Materials (www.mom.icmse.csic.es), whose activities have been mainly focused on the design, preparation, and characterization of optical materials for applications in photovoltaics, sensing and radiation protection. He currently holds a European Research Council Consolidator Grant in the field of optical materials.

24 de Junio (Viernes)

Con la colaboración de:

Facultad de Ciencias
Universidad Zaragoza

LUGAR: SALA DE GRADOS DE LA FACULTAD DE CIENCIAS

HORA: 12:30