



Departamento de
Física de la
Materia Condensada
Universidad Zaragoza

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Interfacial phenomena in organic semiconductor films

For organic semiconductors (OSCs), thin-film and interface properties are among the most prominent aspects with regard to the overall performance of organic electronic devices. The talk explores the complexities of small-molecule organic semiconductors at interfaces, delving into molecular doping, chemical stability, polymorphism and structural dynamics. The findings not only contribute to the fundamental knowledge of organic semiconductor interfaces but also offer practical insights for overcoming existing challenges in the field.

Short CV: PhD in Physics (2001, ICM-ICMM-CSIC). From 2002 until 2008, Esther Barrena was the group leader and responsible of the organic group at the Max-Planck-Institute for Metal Research in Stuttgart, focusing on investigation of the film formation of polymers solar cells by real-time x-ray diffraction. At the end of 2009, she joined the Institute of Materials Science of Barcelona (ICMAB-CSIC) as CSIC tenured scientist. Her research addresses fundamental interface properties of organic films in devices, such organic-field transistors and photovoltaics by means of real-time studies by x-ray diffraction and advanced scanning probe microscopy methods.

Con la colaboración de:



Facultad de Ciencias
Universidad Zaragoza



22 Marzo (viernes)

HORA: 12:30

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