Departamento de
Física de la
Materia Condensada
Universidad Zaragoza

SEMINARIOS 2025

Marco Evangelisti

Instituto de Nanociencia y Materiales de Aragón
(INMA), CSIC - Universidad de Zaragoza

Chilling out:
The green revolution of caloric materials

Caloric materials exhibit remarkable temperature changes when subjected to magnetic fields, electric fields, stress or pressure. These unique materials hold potential for diverse applications across a broad spectrum of temperatures. The current research landscape surrounding caloric materials is more vibrant than ever, fuelled by global initiatives aimed at reducing energy consumption and addressing the challenges posed by environmentally harmful refrigerants that contribute to global warming. In this presentation, I will share recent results from our research conducted in Zaragoza, which delves into magnetocaloric [chemrxiv-2024-swrbm], electrocaloric [j.jallcom.2024.173923] and mechanocaloric [chemrxiv-2024-wcb80] materials for applications operating at very-low temperatures and near-ambient conditions.

Marco Evangelisti is a CSIC scientist at INMA and is also affiliated with the Department of Condensed Matter Physics at the University of Zaragoza. He earned his Laurea (Bachelor's degree) from the University of Camerino in 1996 and completed a joint PhD degree at the Universities of Leiden and Zaragoza in 2001. His career includes positions at the University of Leiden from 2001 to 2004 and at CNR-NANO in Modena from 2004 to 2009. He joined INMA as a `Ramón y Cajal´ fellow and achieved tenure as a CSIC scientist in 2010.

Con la colaboración de:

Facultad de Ciencias
Universidad Zaragoza

INMA

CSIC
Consejo Superior de Investigaciones Científicas
Universidad Zaragoza

31 Enero (viernes)

HORA: 12:30

**SALA DE GRADOS
FACULTAD DE CIENCIAS**