



Departamento de
Física de la
Materia Condensada
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Microhilos amorfos ferromagnéticos: un material, múltiples aplicaciones

Amorphous ferromagnetic microwires show exceptional soft magnetic properties, stemming from the lack of long-range atomic order that minimizes magnetocrystalline anisotropy and domain wall pinning. Besides they exhibit strong shape anisotropy and, depending on their composition, can display either high or negligible magnetoelastic anisotropy. Due to those exceptional magnetic properties and despite their maturity, those materials still show a key role in the development of advanced magnetic sensors and applications.

Tenured scientist since 2009 at the Institute of Materials Science of Madrid (ICMM-CSIC). He has acquired a multidisciplinary expertise on the technological applications of magnetic materials. He has researched on materials with low magnetic losses, magneto-optics, biomaterials with magnetic properties or magnetic payloads for satellites. Currently his research is focused on basic research and applications for magnetic microwires and nanowires.

Con la colaboración de:



5 de Junio (jueves)

HORA: 12:30

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