Invited Speakers

Jon Maiz

Centro de Física de Materiales (CFM-MPC), CSIC-EHU, Spain

Jon Maiz is a materials researcher with a strong background in polymer nanostructure fabrication, with particular focus on the effects of nanoconfinement on polymer crystallization and molecular dynamics. He earned his PhD in Applied Chemistry and Polymer Materials in 2013 from the University of the Basque Country (EHU) and the Institute of Polymer Science and Technology (ICTP-CSIC, Spain). His doctoral research focused on the fabrication of tailored one-dimensional pores using porous aluminum oxide templates, characterized through thermal analysis, spectroscopy, scattering techniques, and microscopy. During this period, he was a visiting scientist at University of Osnabrück (Germany), and at the Silvio O. Conte National Center for Polymer Research at the University of Massachusetts (USA). Following his PhD, he carried out several postdoctoral research appointments at the Institute of Micro and Nanotechnology (IMN-CSIC, Spain), at the Laboratory of Organic Polymer Chemistry (LCPO, University of Bordeaux, France), and at POLYMAT (Spain). During these periods, he broadened his research interests toward the application of polymer nanostructures in thermoelectric materials, piezoelectric nanogenerators, and semicrystalline ferroelectric polymers, before beginning his tenure-track career at the Materials Physics Center (CFM-MPC, Spain). He is currently a Ramón y Cajal Fellowship and Ikerbasque Research Fellowship researcher at CFM-MPC. He is currently a member of Subcommittee 9, “Structure and Dynamics of Soft Condensed Matter,” at the Institut Laue-Langevin (ILL, France). Recently, he also joined the Sustainability Committee at the CFM-MPC, where he actively contributes to aligning institutional initiatives with both the Consejo Superior de Investigaciones Científicas (CSIC) Sustainability Plan and the United Nations Sustainable Development Goals. His research focuses on understanding the interplay between structure and dynamics in advanced polymer materials, particularly for energy-related applications. To achieve this, he combines polymer nanostructure fabrication and advanced characterization techniques, with a strong emphasis on neutron scattering methods to probe molecular dynamics, nanoscale ordering, and confinement effects in soft condensed matter.