DESCRIPTION

The first book on this topic provides a comprehensive and well-structured overview of the fundamentals, synthesis and emerging applications of magnetoelectric polymer materials.

Following an introduction to the basic aspects of polymer based magnetoelectric materials and recent developments, subsequent chapters discuss the various types as well as their synthesis and characterization. There then follows a review of the latest applications, such as memories, sensors and actuators. The book concludes with a look at future technological advances.

An essential reference for entrants to the field as well as for experienced researchers.

ABOUT THE AUTHOR

S. Lanceros-Méndez graduated in physics at the University of the Basque Country, Leioa, Spain. He obtained his PhD degree at the Institute of Physics of the Julius-Maximilians-Universität Würzburg, Germany. He was Research Scholar at Montana State University, Bozeman, MT, USA and visiting scientist at the, Pennsylvania State University, USA and University of Potsdam, among others. Since 2016 he is Ikerbasque Professor at the BCMaterials, Basque Center for Materials, Applications and Nanostructures, Derio, Spain. He is Associate Professor at the Physics Department of the University of Minho, Portugal (on leave), where he belongs to the Center of Physics. From 2012 to 2014 he was also Associate Researcher at the INL - International Iberian
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