

CV Roberto De Renzi

Roberto De Renzi, born in Pavia (Italy), 25 July 1955, married, two children. Full Professor of Physics (2002), Univ. of Parma, Head of Department, Physics and Earth Sciences, Parma.

Development of instruments and facilities

Reorganization of the solid state NMR laboratory of the Department of Physics in Parma. Participation in the development of polarized muon sources for MuSR at CERN, ISIS, PSI. Design, construction and commissioning of the first ISIS spectrometer (MUSR), still in use.

Awards 2014 Yamazaki Prize of the International Society for MuSR, APS 2013 Outstanding Referee.

Scientific interests

Superconductivity and magnetism in highly correlated electron systems by NMR and MUSR: pnictides, transition metal oxides, among which notably cuprates, manganites, cobaltites; MgB₂; fullerides, Magnetic phase transitions. Molecular dynamics in liquid and plastic crystals,

Author of 184 papers in international journals; twentyfive invited lectures over the past 5 years at international conferences, schools and workshops. Coauthor of a [condensed matter textbook](#).

Services

2013 and 2016 ISAC Riken RAL; 2011- Steering Committee I2CAM (NSF); 2008- Member of the Muon Selection Panel, J-Parc Facilities, Tokai, Japan; 2007-10 Member of the FP4 (excitation) neutron selection panel at ISIS;

2005-7 Member of the Scientific Counsel of CNISM (Consorzio Nazionale Interuniversitario Scienze Fisiche della Materia); 2005-7 Vice-President of the International Society for Muon Spectroscopy for Europe; 2004-8 Member of the Scientific Advisory Committee of the Neutron Muon Infrastructure NMI3 Initiative (FPVI); 2001-13 Member of the muon selection panel at the Paul Scherrer Institut; 1997-2000 Chairman of muon ISIS experiment selection panel; 1994-7 Member of the ISIS experiment selection panels.

Programme Committee member of five MuSR International Conferences (Grindelwald 2014, Cancun 2010, Tsukuba 2007, Oxford 2004, Les Diablerets 2001), and of several national conferences: SATT, FOXE . Secretary of the LXXXIX National Congress of the Italian Physical Society (SIF 2003). Chair of the local Organizing Committee of the SATT4 national Conference on High Tc superconductivity (1991), Referee for several journals and National Science Foundations.

Projects Local coordination of H2020 SINE2020, *World class science with neutrons* (2015-2019) FPVII NMI3 *Neutron Muon Initiative* (2009-13), FPVI STREP Project OFSPIN (*Interfaces in spintronic materials and organic semiconductors*, 2006-2009) , EEC Human Capital and Mobility network on cuprates (1992-4); Parma delegate in the Regional Laboratories MIST-ER (2011-), Prominer (2008-10), Nanofaber (2005-7) . PRA INFN project on MgB₂ (2003-2004), PRIN grants: National Coordinator (1997, 2000, 2006) and Local Coordinator (2002, 2008,2012). Conferences and refereeing. Chair: Satt14 Conference (March 2008), JEMS2012 (September 2012)