

JUAN COLMENERO

Short Biographical Summary

BS: Condensed Matter Physics, University of Navarra (1975)

PhD: Physics, University of Navarra (1979)

Present Position:

- * Professor of Condensed Matter Physics, Department of Materials Physics, University of the Basque Country (UPV/EHU), Spain
- * Coordinator of the Research Line: "Polymers & Soft Matter" Materials Physics Center (CFM), CSIC-UPV/EHU
- * Vice President of the Foundation "Donostia International Physics Center"

Research Interests:

- * Structure and dynamics of polymeric materials, soft matter and non-crystalline solids in general: crystallization processes in glasses, the Glass Transition problem, relaxation processes in polymer systems, physical aging in polymers, dynamics of polymer blends, self-assembly processes in micelles, nano-structured polymer materials, dynamics of nano-composites of polymeric matrixes, bio-polymers, etc.
- * Experimental techniques: neutron scattering, X-rays, relaxation spectroscopies, calorimetry, AFM, etc.
- * Theoretical methods: fully atomistic molecular dynamics simulations, coarse-grained methods, etc.

Appointments:

- 1975 - 78 Laboratory assistant, University of Navarra
- 1979 - 81 Postdoctoral position, Laboratorio de Higiene y Seguridad en el Trabajo, Ministerio de Trabajo
- 1982 - 85 Assistant Professor, Faculty of Chemistry (UPV/EHU)
- 1985 - 89 Associate Professor, Faculty of Chemistry (UPV/EHU)
- 1989 - Professor, Faculty of Chemistry (UPV/EHU)
- 1989 - 99 Director of the Materials Physics Department (UPV/EHU)
- 1995 Visiting Professor, Institut für Festkörperforschung, Forschungszentrum Jülich GMBH, Jülich, Germany (4 months)
- 1996 Visiting Professor, Institut für Festkörperforschung, Forschungszentrum Jülich GMBH, Jülich, Germany (4 months)
- 1998 Visiting Professor, Institut für Festkörperforschung, Forschungszentrum Jülich GMBH, Jülich, Germany (4 months)
- 1999 - 13 Director of the Foundation "Donostia International Physics Center"
- 2001 - 11 Director of the Materials Physics Center (CFM), CSIC-UPV/EHU
- 2013 - Vice President of the Foundation "Donostia International Physics Center"

Recent Professional Activities:

- 1994 - Member of the Editorial Board of the Journal: "Colloid & Polymer Science", Springer Verlag

- 1995 - 98 Member of the Subcommittee 6: “Structure and Dynamics of Liquids and Glasses” of the Institut Laue Langevin (ILL), Grenoble, France
- 1997 - 03 Member of the Board of the European Neutron Scattering Association (ENSA)
- 1998 - 03 Member of the Board of the EC-Concerted Action - Round Table for Neutron Beam Sources
- 1998 - 99 Chairman of the Subcomité 6: “Structure and Dynamics of Liquids and Glasses” of the Institut Laue Langevin (ILL), Grenoble, France
- 1999 Member of the “Comisión Nacional de Evaluación de la Actividad Investigadora. Comité Evaluador Nº 1: Física y Matemáticas” (Spain)
- 2000 Member of the International Committee: “Review panel 2000/35, Neutron Spin Echo for European Spallation Source” of the Hermann von Helmholtz Association, Bonn, Germany
- 2000 - 03 Member of the Scientific Advisory Committee (SAC) of the European Spallation Source (ESS) project
- 2002 - 05 Chairman of the Selection Committee of Proposals: “Jülich Neutrons for Europe” Forschungszentrum Jülich GMBH, Jülich, Germany
- 2004 - Member of the Editorial Board of the Journal: “Journal of Polymer Science B: Polymer Physics”, Jhon Wiley & Sons, Inc.
- 2004 - 08 Spanish Representative in the Scientific Committee of the Institut Laue Langevin (ILL), Grenoble, France
- 2004 - 08 Member of the Committee of the Area: “Materials Science and Technology” Spanish National Research Council (CSIC), Spain
- 2012 Member of the Review Panel “Exln2/1_C11 Chemistry” Excellence Initiative: Program by the German Federal and State Governments to Promote Top-level Research at Universities. DFG, Germany

Honours and Awards

- * Prize “Xabier María de Munibe” in Science and Technology (1998) given by the Basque Parliament
- * Prize “Euskadi” in Science (2000) given by the Basque Government
- * Medal of the Spanish Royal Society of Physics 2003
- * Member of JAKIUNDE: Academy of Sciences, Arts and Letters since 2007

Publicaciones:

- * More than 350 scientific articles (ISI journals)
- * Co-author of the book:
 “Neutron Spin Echo in Polymers Systems”, Advanced in Polymer Science vol. 174 (245 páginas), Springer-Verlag, Berlin-Heidelberg-New York (2005)
- * Co-editor of the books:
 “Basic Features of the Glassy state”, World Scientific, Singapore (1990)
 “Quasielastic Neutron Scattering”, World Scientific, Singapore (1995)

Conferences and Workshops

- * More than 60 invited or plenary talks at international conferences
- * Member of the Scientific or Program Committee of about 20 international conferences
- * Chairman or co-Chairman of 3 international workshops