

Dr. Sandra García Gil

Université Paris Sud, France
26/09–29/09/2011
DFT characterization of solid surfaces and interfaces: from metallic and semiconducting to H adsorption on silicates.

Dr. José Ignacio Latorre

Universitat de Barcelona, Spain
05/10–06/10/2011
Speed of light vs speed of neutrinos

Dr. Stephen G. Hickey

Technische Universität Dresden, Institut für Physikalische Chemie und Elektrochemie, Germany
05/10–08/10/2011
Semiconductor nanoparticles: their synthesis and attachment to substrates for optoelectronic characterisation.

Dr. Laura Serkovic Loli

Université de Nancy, France
16/10–19/10/2011
Reconstruction of the (001) Al₂Cu surface + Adsorption of EP-PTCDI molecules on Si(111) 7x7 and Ag(111).

Prof. Alexander Protogenov

Russian Academy of Sciences, Russia
31/10–30/11/2011
Transport properties of 3D topological insulators

Prof. Thomas Fauster

Universität Erlangen-Nürnberg, Erlangen, Germany
04/10–06/10/2011
Image-potential states on graphene layers.

Prof. Gregor Schiwietz

Helmholtz Zentrum, Berlin, Germany
04/10–07/10/2011
Electron emission from surfaces and solids

Prof. Michel Côté

Université de Montréal, Canada
19/10–20/10/2011
Electronic properties of polymers for photovoltaic applications.

Prof. Viktor Antonov

Institute of Metal Physics, National Academy of Sciences, Kiev, Ukraine
24/10–31/10/2011
Topological insulators.

Prof. Jeremy Baumberg

Cavendish Laboratory, University of Cambridge, United Kingdom
24/10–26/10/2011
Nanophotonics

Dr. Carlos Andrés Palma

Max-Planck-Institut für Polymerforschung, Mainz, Germany
31/10–14/11/2011
Photodissociation of molecules in gas phase: An ab-initio study.

Doctorand Carlo Motta

Università di Milano-Bicocca, Italy
03/11–29/11/2011
Ab initio study of transport in nanojunctions: application to dye-sensitized solar cells.

Prof. Ivan P. Chernov

Politechnic University of Tomsk, Russia
14/11–24/11/2011
Dynamics of hydrogen in metals under external irradiation.

Prof. Peter Nordlander

Rice University, Houston, USA
17/11–22/11/2011
Fano resonances in plasmonics.

Prof. Andrei Borisov

Université Paris Sud, France
17/11–19/11/2011
Time dependent density functional theory calculations to address the optical response of plasmonic systems.

Dr. Paolo Sessi

University of Würzburg, Germany
17/11–19/11/2011
Topological insulator.

Prof. Nicolas Lorente

Centro de Investigación en Nanociencia y Nanotecnología (CIN2-CSIC), Bellaterra, Spain
21/11–25/11/2011
Inelastic electron tunnelling spectroscopy.

Dr. Guido Fratesi

Università di Milano-Bicocca, Italy
21/11–24/11/2011
Strain effect on electronic and structural properties of metal nanoislands grown on reconstructed Au(111).

Doctorand Manuel Monasterio Jaqueti

Universidad Politécnica de Madrid, Spain
24/11–25/11/2011
Characterization of Nanowires.

Prof. Sydney Brenner

Howard Hughes Medical Institute, Janelia Farm Campus, Virginia, USA
27/11–29/11/2011
Reading the Human Genome: the reconstruction of the past.

Theses

2010

Molecular dynamics of poly(ethylene-alt-propylene) melts by means of neutron scattering and simulations: Bridging the gap between fully atomistic and coarse-grained models

Roberto Perez Aparicio (UPV/EHU)
Supervisors: Juan Colmenero and Fernando Alvarez
June 2010

Doped quantum dots and MnAs wires

Carlos Echeverria-Arrondo (Universidad Pública de Navarra)
Supervisor: Andres Ayuela
June 2010

Dielectric and mechanical properties of polymers at macro and nanoscale

Clement Riedel (Université Montpellier 2 - UPV/EHU)
Supervisor: M. Philippe Tordjeman and Juan Colmenero
October 2010

Structural relaxation and chain dynamics in polymer melts: a computational investigation on the role of the intramolecular barriers

Marco Bernabei (UPV/EHU)
Supervisor: Angel José Moreno Segurado
April, 2011

The structure and the dynamics of poly(vinyl methyl ether) PVME and PVME in concentrated water solution

Sara Capponi (UPV/EHU)
Supervisors: Arantxa Arbe and Juan Colmenero
May 2011

First principles study of the electronic and magnetic properties of defective carbon nanostructures

Elthon José Gomes Santos (UPV/EHU)
Supervisors: Daniel Sánchez Portal and Andres Ayuela Fernández
July 2011

Optical properties and high-frequency electron transport in plasmonic cavities

Olalla Pérez González (UPV/EHU)
Supervisors: Nerea Zabala and Javier Aizpurua
October 2011

Resonant Raman-Brillouin Scattering in Semiconductor and Metallic Nanostructures:

From Nano-Acoustics to Acousto-Plasmonics

Nicolas Large (UPV/EHU)
Supervisors: Javier Aizpurua and Adnen Mlayah
October 2011

Functionalized polymers as a tool for investigating the component dynamics of polymer blends

Sandra Plaza García (UPV/EHU)
Supervisor: Angel Alegría
December 2011

2011