

**Marina Quijada Van den Berghe**

Universidad del País Vasco/Euskal Herriko Unibertsitatea, Spain

01/11/2007–30/10/2009

Electron dynamics in metal clusters. Study of the size effects in the lifetime of excited electrons in metal clusters. TDDFT calculation of the energy loss in collision processes of charges with metal clusters.

**Itziar Goikoetxea Martinez**

Universidad Complutense, Spain

01/12/2007–30/06/2008

Non-adiabatic processes in the adsorption of diatomic molecules on metal surfaces.

**Carlos Etxeberria Arrondo**

Universidad Pública de Navarra, Spain

01/01/2008–Present

Quantum dots based on magnetic semiconductors.

**Giuseppe Foti**

Universita Mediterranea di Reggio di Calabria, Italia

01/11/2008–30/06/2009

Electronic transport through molecular

**Zakaria Mohammed Slimani**

Centre Européen de Calcul Atomique et Moléculaire (CECAM), Lyon

24/02/2009–Present

Dynamics of diblock copolymers by computer simulations (Ph.D.) Computer simulations of self-assembly and slow dynamics in diblock copolymers

**Roberto Pérez Aparicio**

Universidad de Valladolid, Spain

01/09/2009–Present

Study of molecular dynamics in glass forming polymers by means of neutron scattering techniques and molecular dynamics simulations. In particular, this work focuses on the poly (ethylene propylene) (PEP) in order to study its molecular dynamics at local scales (atomic motions), large scales (chain dynamics), and also the crossover between them.

**Asier Ozaeta Rodriguez**

Universidad del País Vasco/Euskal Herriko Unibertsitatea, Spain

01/12/2009–Present

Transport properties of superconducting weak links in the presence of a rf-field.

## Visiting Researchers

### Long visits

**Prof. Eugene Krasovskii**

Universität Kiel, Germany

07/01–30/03/2008

First-principles calculations of collective excitations in bulk metals.

**Prof. Joseph R. Manson**

Clemson University, USA

06/05–15/08/2008

Theoretical investigations of the microscopic structure and dynamical properties of surfaces.

**Prof. Juan José Sáenz Gutierrez**

Universidad Autónoma, Spain

01/06–31/07/2008, 01/06–30/07/2009

Nanophotonics. Modeling scanning probe microscopies.

**Prof. Wolfgang Schattke**

Universität Kiel, Germany

01/10–30/11/2008

Variational Quantum Montecarlo calculations of the electronic properties of solids and surfaces. Theory of photoemission in semiconductors and metals.

**Prof. Giorgio Benedek**

Università di Milano-Bicocca, Italy

02/06–30/06/2008, 02/10–30/10/2008,

01/06–30/06/2009

Surface phonons and phase transitions.

**Prof. Viktor Tugushev**

RRC Kurchatov Institute, Moscow, Russia

03/04–27/06/2008

Magnetism in superlattices and spintronics.

**Prof. Vladimir Menshov**

RRC Kurchatov Institute, Moscow, Russia

15/05–15/08/2008

Conflicting mechanisms in digital alloys.

**Prof. Sergey Eremeev**

Institute of Strength Physics and Materials Sciences, Tomsk, Russia

01/06–30/08/2008, 03/07–30/09/2009

Phonons and electron-phonon coupling in quantum-well states of adlayers on metals.

**Prof. Philippe Tordjeman**

Université Montpellier 2, France

04/02–18/06/2008

Nanodielectric of polymer.

**Prof. Amand Lucas**

FUNDP, Namur, Belgium

30/09–30/10/2008, 03/09–30/11/2009

Condensed matter physics, surface sciences, electronic and atomic structures of reduced dimensionality systems structural biology.

**Dr. Ilya Nechaev**

Kostroma State University, Russia

22/06–19/09/2008, 21/06–16/09/2009

Electron excitations in ferromagnetic materials.

**Prof. Norman March**

University of Antwerpen, Belgium

08/04–08/06/2008, 15/04–14/06/2009

Study of the role of exchange and correlation effects in both ground state density functional theory as well for excitation within time-dependent density-functional theory.

**Mbamba Kandi Masakidi**

Ecole Nationale Supérieure de Chimie de Lille, France  
31/03–15/06/2008

Mechanical and dielectric properties of trans-Poly(isoprene) and its copolymers with styrene.

**Prof. Istvan Nagy**

Technical University of Budapest, Hungary  
02–30/05/2008, 04–27/09/2008,  
07/01–06/02/2009, 04–30/05/2009, 01–26/09/2009  
Various aspects of correlations in extended fermionic systems; spice-fluctuation, pair-correlation, one-particle damping, impurity-screening.

**Doctorand Simona Achilli**

CNR, University of Milano-Bicocca, Italy  
10/02–10/06/2008  
Electronic and magnetic properties of single adatoms on metal surfaces.

**Prof. Emilio Artacho Cortés**

University of Cambridge, United Kingdom  
07/07–7/08/2008  
Electronic stopping power in insulators. LDA+U, SIC, exact-exchange in DFT calculations.

**Prof. Sergio Caprara**

University of Rome Sapienza and Istituto Nazionale per la Fisica della Materia, Rome, Italy  
02/04–31/05/2008, 14/04–13/06/2009  
Digital alloys.

**Dr. Mikhail Otkrov**

State University of Tomsk, Russia  
01–30/07/2008, 14/06–31/07/2009  
Electronic structure of digital alloys.

**Dr. Andrey Enyashin**

Institute of Solid State Chemistry (Ural Branch of Russian Academy of Sciences) Ekaterinburg, Russia  
01–31/08/2008  
Composites of inorganic nanotubes and cement.

**Dr. Andrey Borissov**

Université Paris Sud, France  
07–31/07/2008  
Time-dependent density functional theory and wave packet propagation methods.

**Prof. Arthur Ernst**

Max Planck Institut of Microstructures, Germany  
01–31/07/2008  
Magnetism from first principles: a multiple scattering approach.

**Prof. Malcolm Stott**

Queen's University, Kingston, Canada  
30/12/2008–31/01/2009  
2D electron gas.

**Doctorand Luca Maini**

Università di Milano-Bicocca, Italy  
01/02–31/07/2009  
Simulations of photonic crystals and photonic nanostructures.

**Dr. Yuri Koroteev**

Tomsk State University, Russia  
09/03–10/05/2009  
First principles calculations of electronic structure and quasiparticle lifetimes in metals.

**Dr. Svetlana Borisova**

Physics and Materials Science,  
Russian Academy of Sciences, Tomsk, Russia  
09/03–10/05/2009  
Phonones in metal adlayers.

**Prof. Vladlen Zhukov**

Ural Branch of Russian Academy of Sciences,  
Ekaterinbourg, Russia  
14/03–13/06/2009  
Electron dynamics in oxides: electron-electron and electron-phonon mechanisms of decay of excited electrons.

**Dr. Vladimir Meřshov**

RRC Kurchatov Institute, Moscow, Russia  
14/05–14/08/2009  
Confing mechanisms in digital alloys.

**Dr. Silvana Botti**

Ecole Polytechnique, Palaiseau, France  
15/05–15/06/2009  
Theoretical modeling of photovoltaic materials.

**Prof. Nikolay Kabachnik**

Institut für Experimentalphysik, Hamburg, Germany  
01/06–31/07/2009  
Study of Auger processes in gases and at solid surfaces within an attosecond streaking scheme.

**Dr. Josef Bartos**

Polymer Institute of SAS, Bratislava, Slovakia  
15/06–24/07/2009  
PALS and polymer dynamics.

**Prof. Mario Trioni**

CNR, University of Milano-Bicocca, Italy  
01–31/07/2009  
Electronic and magnetic properties of thin solid film on metals.

**Prof. Félix Yndurain Muñoz**

Universidad Autónoma de Madrid, Spain  
01–31/07/2009  
Magnetisem in low dimensional systems.

**Prof. Godfrey Gumbs**

The City University of New York, USA  
13/07–14/08/2009  
Plasmons in nanostructures.

**Prof. Vladimir Kuznetsov**

Tomsk State University, Russia  
08/08–08/09/2009  
Density functional methods in the theory of phase diagrams of alloys and in the Kondo effects.

**Doctorand Stepan Tsirkin**

Tomsk State University, Russia  
08/08–08/11/2009  
Electronic excitations on metal surfaces.

**Doctorand Tatiana Menshchikova**

Tomsk State University, Russia  
08/08–08/11/2009  
Excitations on surfaces with defects.

**Dr. Alejandro Reyes Coronado**

Universidad Nacional Autónoma de México, Mexico  
01–30/09/2009  
Optical response of resonant metallic nanostructures in surface-enhanced microscopy and spectroscopy.

**Prof. Marijan Sunjic**

University of Zagreb, Croatia  
15/09–30/10/2009  
Dynamical response and surface excitations in thin films.

**Doctorand Ryan Artuso**

National Institute of Standards and Technology, USA  
15/10–21/12/2009  
Dipolar emission mediated by metallic nanoantennas.

**Doctorand Andrey Kuznetsov**

Tomsk State University, Russia  
11/12–13/01/2010  
Magnetic effects on the formation of defects in bulk Fe and in thin Fe films.

**Short visits****Prof. Malcolm Stott**

Queen's University, Kingston, Canada  
31/12/2007–31/01/2008  
2D electron gas.

**Prof. Godfrey Gumbs**

The City University of New York, USA  
01/01–30/01/2008  
Plasmons in nanostructures.

**Prof. Istvan Nagy**

Technical University of Budapest, Hungary  
07/01–03/02/2008  
Various aspects of correlations in extended fermionic systems; spice-fluctuation, pair-correlation, one-particle damping, impurity-screening.

**Dr. Alexander Grueneis**

Leibniz Institute Dresden, Germany  
08/01–11/01/2008  
Angle resolved photoemission spectroscopy of carbon systems.

**Prof. Thomas Pichler**

Leibniz Institute Dresden, Germany  
08/01–11/01/2008  
High energy spectroscopy of molecular nanostructures.

**Dr. Ilya Nechaev**

Kostroma State University, Russia  
10/01/2007–09/02/2008, 12/01–08/02/2009  
Electron excitations in ferromagnetic materials.

**Dr. Anibal Iucci**

Université de Genève, Switzerland  
13/01–20/01/2008, 07/09–04/10/2009  
Out of equilibrium Many-Body systems.

**Dr. Giuliano Orso**

Universite Paris XI, France  
13–17/01/2008  
Cold gases, disorder low dimensional systems.

**Dr. Magnus Paulsson**

University of Kalmar, Sweden  
15–21/01/2008, 9–22/11/2008, 12–24/01/2009  
Inelastic Transport through atomic and molecular wires.

**Doctorand Christine Gerstl**

Institut für Festkörperforschung, Jülich, Germany  
15/01–15/02/2008, 13–24/07/2009  
Characterization of the dynamics of polyalkylene-oxides.

**Dr. Nicolas Lorente Palacios**

Centro de Investigación en Nanociencia y Nanotecnología (CIN2-CSIC), Bellaterra, Spain  
15–18/01/2008, 03–04/08/2009  
Inelastic Electron Tunnelling Spectroscopy.

**Dr. Karlo Penc**

Research Institut for Solid State Physics and Optics, Budapest, Hungary  
20–29/01/2008  
Interacting one dimensional systems.

**Prof. Arthur Ernst**

Max Planck Institute of Microstructures, Germany  
21–24/01/2008, 25–30/05/2009  
Magnetism from first principles: a multiple scattering approach.

**Dr. Didier Long**

Rhodia, Lyon, France  
21–22/01/2008  
Water in industrial polymers

**Dr. Paul Sotta**

Rhodia, Lyon France  
21–22/01/2008  
Water in industrial polymers.

**Dr. Ludovic Odoni**

Rhodia, Lyon, France  
21–22/01/2008  
Water in industrial polymers.

**Dr. Sampsa Riikonen**

Helsinki University of Technology, Finland  
25/01–24/02/2008, 14/01–03/02/2009  
Theoretical studies of complex surface reconstructions.

**Dr. Marius Wanko**

Bremen Center for Computational Materials Science, Germany  
28/01–01/02/2008  
Hybrid methods (QM/M) in biological systems; approaches and spectral tuning of retinal proteins and other chromophores.

**Dr. Rainer Hillenbrand**

Max Planck Institute, Martinsried, Germany  
03–06/02/2008  
Scattering-type near-field microscopy for optical/infrared nanoanalytics.

**Prof. Mario Trioni**

CNR, University of Milano-Bicocca, Italy  
10–16/02/2008, 30/11–05/12/2008  
Electronic and magnetic properties of thin solid film on metals.

**Prof. Amador Menéndez Velazquez**

CSIC, Oviedo, Asturias, Spain  
10–16/02/2008  
Public understanding of science.

**Prof. Gustav Bihlmayer**

IFF-FZ, Forschungszentrum Jülich, Germany  
12–15/02/2008, 02–28/07/2009  
Magnetism in low dimensions: Overlayers, wires and atoms.

**Dr. Caroline Genix**

Université Montpellier II and CNRS Montpellier, France  
19–28/02/2008, 10–17/03/2008, 13–19/09/2009  
Effect of blending on the dynamics of the system poly(ethylene oxide)/poly(methyl methacrylate).

**Prof. Tadaaki Nagao**

National Institute of Materials Science, Tsukuba, Japan  
20–24/02/2008, 03–06/09/2009  
Surface phonons and adlayer crystal structures.

**Prof. Concepción Domingo Maroto**

Instituto Estructura de la Materia, CSIC, Spain  
21–24/02/2008  
Visible and infrared molecular spectroscopy.

**Dr. Andrew Ho**

Imperial College London, United Kingdom  
23/02–09/03/2008, 06–12/12/2008, 12–17/09/2009, 08–17/02/2009  
Effects of disorder in one-dimensional quantum liquids, and phase diagram of binary mixtures of one-dimensional harmonic fluids.

**Dr. Joerg Kroeger**

University of Kiel, Germany  
28/02–01/03/2008  
Electrical conductance of single atoms and molecules.

**Prof. Roderic Quirk**

The University of Akron, USA  
01/03–08/03/2008, 11–19/07/2008, 11–17/01/2009, 18–25/07/2009  
Synthesis of functional polymers.

**Prof. Emilio Artacho Cortés**

University of Cambridge, United Kingdom  
09–12/03/2008, 31/08–05/09/2009, 15/07–08/08/2009  
Electronic stopping power in insulators. LDA+U, SIC, exact-exchange in DFT calculations.

**Prof. Jorge Kohanoff**

The Queen's University, Belfast, Northern Ireland, United Kingdom  
09–12/03/2008  
Simulations of non-adiabatic electron dynamical processes.

**Prof. Ivan P. Chernov**

Politechnic University of Tomsk, Russia  
16–19/03/2008, 25–29/03/2009  
Dynamics of hydrogen in metals under external irradiation.

**Dr. Margarita Krutyeva**

Universität Leipzig, Germany  
16–18/03/2008, 28/09–01/10/2008, 12-25/10/2008  
Dynamical properties of complex systems.

**Prof. Richard Arinero**

Université Montpellier 2, France  
07–11/04/2008, 15–18/06/2008, 12–25/11/2008, 29–31/03/2009, 07/05/2009  
Dielectric spectroscopy at nano-scale by atomic force microscopy (AFM) techniques.

**Prof. Domingo Docampo**

ETSE Telecomunicación, Vigo, Spain  
08–08/04/2008  
Scientific policy.

**Prof. Philip Hofmann**

University of Aarhus Denmark, University of Liverpool, United Kingdom  
16–19/04/2008, 17–20/12/2008  
Angle-resolved photoemission in High TC superconductors.

**Dr. Katharina Franke**

Freie Universität Berlin, Germany  
16–18/04/2008  
Resonant electron heating and molecular phonon cooling in single C60 junctions.

**Prof. Andrey Kazanskiy**

University of San Petersburg, Russia  
28/04–16/05/2008  
Electron dynamics at adsorbates on metals.

**Dr. Sara Pagnotta**

Roma Tre University, Italy  
28/04–05/05/2008  
Water in polymers.

**Prof. Francisco Guinea López**

Instituto Ciencia Materiales de Madrid, CSIC, Spain  
01/05–25/05/2008  
Condensed matter physics.

**Prof. Mark Stockman**

Georgia State University, USA  
04–11/05/2008  
Nanophotonic.

**Prof. Branko Gumhalter**

University of Zagreb, Croatia  
05–09/05/2008, 03–08/07/2009  
Ultrafast electron dynamics on metal surfaces.

**Prof. Norbert Mueller**

Universität Bielefeld, Germany  
05–13/05/2008

Electron spectroscopy, attosecond spectroscopy.

**Prof. Jan Skov Pedersen**

University of Aarhus, Denmark  
14–16/05/2008

Small angle x-ray scattering applied to soft condensed matter and biology.

**Prof. Annemarie Pucci**

University of Heidelberg, Germany  
21–26/05/2008

Infrared spectroscopy.

**Doctorand Virginie Boucher**

University of Lille (ENSCL), France  
25–27/05/2008

Dynamical properties at molecular scale in polymeric materials multi-component and/or nano-structured.

**Prof. Cayetano López Martínez**

CIEMAT and Universidad Autónoma de Madrid, Spain  
26/05/2008

Energía y sostenibilidad.

**Prof. John Inglesfield**

University of Wales Cardiff, United Kingdom  
27–31/05/2008

Embedding in photonics and plasmon bands in metallic nanostructures.

**Prof. Adam Kaminski**

Iowa State University/Ames Laboratory, USA  
02–04/06/2008

Fascinating properties of cuprates.

**Prof. Rubén Barrera**

Instituto de Física, UNAM, Mexico  
06/06–03/07/2008, 15–16/10/2009

Use and abuse of the effective refraction index concept in colloidal systems.

**Dr. Philippe Zinck**

Ecole Nationale Supérieure de Chimie de Lille, France  
12–13/06/2008

New polymeric materials synthesized via coordination polymerization: recent examples from our group.

**Prof. Peter Toennies**

Max Planck Institut für Dynamik und Selbstorganisation, Göttingen, Germany  
15–21/06/2008

Helium atom scattering measurements of vibrations on surfaces.

**Prof. Jeanpol Vigneron**

Facultés Universitaires Notre-Dame de la Paix, Namur, Belgium  
17–22/06/2008

Photonic crystals in the natural world preparation of summer school 2009.

**Prof. Wolf-Dieter Schneider**

Ecole Polytechnique Fédérale de Lausanne, Switzerland  
19–22/06/2008

From single magnetic adatoms to two-dimensional Kondo lattices.

**Prof. Hans Christian Schneider**

Technische Universität Kaiserslautern, Germany  
24/06–03/07/2008

Excitations in small clusters.

**Prof. Ulrich Hofer**

Philipps-Universität Marburg, Germany  
25/06–13/07/2008

Time-resolved two-photon photoemission of Ar/Cu interface states.

**Prof. Wolfgang Bacsa**

CEMES UPR-CNRS, Université Toulouse, France  
26–29/06/2008

Local optical field mapping in the intermediate field for sub-wavelength optical microscopy, compact spectrometers and sensors.

**Dr. Josef Bartos**

Polymer Institute, SAS, Slovakia  
07–17/08/2008

PALS and polymer dynamics.

**Dr. Fritz Keilmann**

Max Planck Institute of Biochemistry, Germany  
10–14/07/2008

Near-field microscopy.

**Prof. Honxing Xu**

Chinese Academy of Sciences, Beijing, China  
12–20/07/2008

Plasmon enhanced spectroscopy.

**Prof. Philip Batson**

IBM, New York, USA  
16–20/07/2008

Electron energy loss spectroscopy and microscopy.

**Prof. Vladimir Nazarov**

Chonnam National University, Kwanju, Korea  
24/07–12/08/2008

Academia Sinica, Taipei, Taiwan

14/09–08/10/2009

Time-dependent density-functional theory of particle-solid interactions.

**Dr. Garnet Bryant**

NIST, Maryland, USA

26/07–03/08/2008, 30/08–06/09/2009

Optoelectronic properties of quantum dots and quantum wires. Nanophotonics.

**Prof. Vladimir Kuznetsov**

Tomsk State University, Russia  
06/08–05/09/2008

Density functional methods in the theory of phase diagrams of alloys and in the Kondo effects.

**Dr. Rafael Pardo**

Fundación BBVA, Madrid, Spain  
15/08–30/08/2008

Public understanding of science.

**Prof. Alberto Galindo**

Universidad Complutense de Madrid, Spain  
21/08–03/09/2008

Quantum information and quantum algorithms. Basic problems in Quantum Physics. Completion of a two-volume textbook on Advanced Quantum Mechanics, and a textbook on Space-Time Structure.

**Prof. Cesar Proetto**

Centro Atómico Bariloche, Argentina  
31/08–10/09/2008, 13–30/09/2009

Position-dependent exchange energy and exact-exchange potential for jellium surfaces.

**Dr. Remi Busselez**

Universite de Rennes, France  
03–05/09/2008

Dynamics at atomic and molecular scale in two-component polymeric systems with dynamic asymmetry by quasielastic neutron scattering and fully atomistic molecular dynamics simulations.

**Prof. Archie Howie**

Cavendish Laboratory, Cambridge, United Kingdom  
09–23/09/2008, 09–23/09/2009

Theory of valence electron excitations by fast electrons.

**Doctorand Lei Zhang**

Huzhou University, Huzhou, China  
10–26/09/2008

Computer simulations of complex polymer systems.

**Prof. Maria Silvia Gravielle**

IAFE, Universidad de Buenos Aires, Argentina  
27/09–04/10/2008

Interaction of laser pulses with metallic surfaces.

**Dr. Dieter Richter**

IFF-FZ, Forschungszentrum Jülich, Germany  
28/09–08/10/2008

Polymer dynamics by neutron techniques.

**Prof. Luciano Colombo**

University of Cagliari and SLACS (INFN-CNR), Italy  
30/09–03/10/2008

Growth phenomena in mixed amorphous/crystalline silicon nanosystems.

**Dr. Lutz Willner**

IFF-FZ, Forschungszentrum Jülich, Germany  
05–10/10/2008

Dynamics and kinetics in polymeric micelles.

**Dr. Gilberto Teobaldi**

University of Liverpool, United Kingdom  
28/10–02/11/2008

DFT-modelling of titania (110) and (011) face.

**Prof. Sheldon Lee Glashow**

Boston University, USA  
29–31/10/2008

Does science progress by blind chance or through intelligent design?

**Dr. Miguel Angel Gosalvez Ayuso**

Helsinki University of Technology/HUT, Finland  
16–22/11/2008

Atomistic simulation of propagating fronts: surface processes and MEMS applications.

**Prof. Christos Likos**

Heinrich Heine Universität, Düsseldorf, Germany  
17–19/11/2008

Effective interactions in soft matter systems

**Prof. Stephan Roche**

Institut de Nanosciences et Cryogénie, CEA, France  
19–23/11/2008

Charge Transport in Low Dimensional Carbon based Materials -Carbon Nanotubes & Graphene-

**Prof. Mario Trioni**

CNR, University of Milano-Bicocca, Italy  
30/11–05/12/2008

Electronic and magnetic properties of thin solid film on metals.

**Dr. Guido Fratesi**

CNR, University of Milano-Bicocca, Italy  
30/11–05/12/2008

Electronic and structural properties of surface systems.

**Prof. Rolf Heid**

Forschungszentrum Karlsruhe, Germany  
08–11/12/2008

Lattice dynamics of adsorbate-covered surfaces from first principles.

**Dr. Anke Schmidt**

WWU Münster, Germany  
10–16/12/2008

Femtoseconds and spin-resolved electron dynamics in magnetic systems.

**Prof. Peter Apell**

Chalmers University of Technology, Goteborg, Sweden  
11–14/12/2008, 21–24/11/2009

Biophysics: from surfaces modes to wound healing.

**Prof. John Dobson**

Griffith University Technology Centre, Queensland, Australia  
15–22/12/2008

Time dependent density functional theory and van der Waals interactions.

**Prof. Bo Hellsing**

Chalmers and Göteborg University, Sweden  
17–20/12/2008, 18–22/05/2009

Electron-phonon interactions on metal surfaces.

**Dr. Geethalakshmi K. Rangaswamy**

Max Planck Institut für Kohlenforschung, Germany  
08–11/01/2009

Theoretical chemistry- Investigation of Biologically active molecules using DFT computed NMR parameters from QM/MM optimized models.

**Dr. Sangita Bose**

Max Planck Institute for Solid State Reserach, Stuttgart, Germany  
22–24/01/2009

STS, measurements of image states in an external electric field.

**Prof. Lawrence Glasser**

Clarkson University, USA  
25–28/01/2009

Mathematical physics applied to condensed matter.

**Doctorand Martin Brodeck**

IFF-FZ, Forschungszentrum Jülich, Germany  
25/01–08/02/2009

Molecular dynamics simulations of polyethylene oxide (PEO) and PEO/PMMA blends.

**Dr. Victoria García Sakai**

ISIS facility, Chilton, United Kingdom  
25–31/01/2009

Quasielastic neutron scattering in soft matter.

**Dr. Roque Hidalgo Alvarez**

01–05/02/2009

**Dr. Juliane Loichen**

Goodyear Technical Center, Luxembourg  
03–05/02/2009

Nano-dielectric spectroscopy.

**Dr. Stephan Westermann**

Goodyear Technical Center, Luxembourg  
03–05/02/2009

Nano-dielectric spectroscopy

**Dr. Andrey Borissov**

Université Paris Sud, France  
04–28/02/2009

Time-dependent density functional theory and wave packet propagation methods.

**Prof. Philippe Roncin**

Université Paris Sud, France  
11–15/02/2009

Diffraction of fast atoms at surfaces.

**Dr. Chantal Valeriani**

School of Physics and Astronomy, University of Edinburgh, United Kingdom  
15–17/02/2009

Computer simulations of hard sphere systems.

**Dr. Eduardo Sanz García**

SUPA, School of Physics and Astronomy, University of Edinburgh, United Kingdom  
15–17/02/2009

Computer simulations of colloidal gels.

**Saadia Ouchiar**

University Institute of Technology, Lille, France  
21–28/02/2009

Isothermal crystallization kinetics study on aqueous solution of poly(vinyl pyrrolidone) by both dielectric spectroscopy and optical microscopy.

**Prof. Leonid Sandratskii**

Max Planck Institute, Halle, Germany  
22–25/02/2009

First-principles study of the magnetic properties of complex magnetic system; bulk, surfaces, thin films. The properties include ground state properties, magnetic excitations, thermodynamics.

**Dr. Leonor Chico Gómez**

Instituto de Ciencia de Materiales de Madrid, Spain  
23–27/02/2009

Electronic structure calculations in nanotubes.

**Dr. Jorge Quintanilla Tizón**

ISIS Rutherford-Appleton Laboratory, United Kingdom  
04–09/03/2009, 23/05/2009

Pomeranchuk instabilities in fermi liquids.

**Prof. Sergio Monturet Caamaño**

Universität Potsdam, Potsdam-Golm, Germany  
15–28/03/2009

Calculation of dispersive bands: tertrathiafulvalene adsorbed on lead.

**Dr. Cedric Lorthioir**

Université Paris 12, France  
19/03–17/04/2009

Segmental dynamics of polymer chains in POSS-based nanocomposites by solid-state NMR and dielectric spectroscopy.

**Dr. Gustavo Catalán Bernabé**

University of Cambridge  
21–23/03/2009

Electroceramic oxide nanostructures.

**Prof. Adnen Mlayah**

Université Paul Savatier, Toulouse, France  
30–31/03/2009

Plasmon and acoustic phonon coupling.

**Prof. Antoine Salin**

Université Bordeaux 1, France  
30–31/03/2009

Dissociation dynamics of diatronic molecules at metal surfaces. Non-adiabatic effects.

**Prof. Philippe Tordjeman**

Université Montpellier 2, France  
30–31/03/2009

Nanodielectric of polymer.

**Dr. Sebastián Bergeret Sbarbaro**

Universidad Autónoma de Madrid, Spain  
30/03–03/04/2009

Achievements challenges in the field of superconducting nanostructures.

**Dr. Sucismita Chutia**

Universite Paris-Sud, France  
31/03–03/04/2009

Quantum doped with magnetic materials: manganese, iron and nickel.

**Dr. Amadeo Lopez Vazquez de Parga**

Universidad Autónoma de Madrid, Spain  
01–03/04/2009

Scanning tunneling microscopy in ultra high vacuum in molecules deposited in metallic surface. Spatially resolved spectroscopy on graphene.

**Dr. Uwe Bovensiepen**

Freie Universität Berlin, Germany  
05–11/04/2009

Time resolved spectroscopy of surfaces and interfaces.

**Prof. Eduard A.B. Koenders**

Technische Universiteit Delft, The Netherlands  
15–15/04/2009

Microscopic simulations in cement and concrete.

**Prof. Luis Oro Giral**

Instituto Universitario de Catálisis Homogénea,  
Universidad de Zaragoza, Spain  
16–16/04/2009

Chemistry, environment and sustainability.

**Dr. Javier Carretero González**

Instituto Ciencia y Tecnología de Polimeros, CSIC,  
Spain and The Alan G. MacDiarmid Nanotech  
Institute, University of Texas at Dallas, USA  
20–21/04/2009

Dispersion, interfacial strength and nanoclay mobility  
relationships in polymer nanocomposites.

**Prof. Pedro de Andres Rodriguez**

Instituto de Ciencia de Materiales de Madrid, Spain  
20–24/04/2009

Adsorption and diffusion of atomic and molecular  
hydrogen on graphene and graphite.

**Prof. Anadi Bhattacharjee**

Laboratoire de Physique des solides,  
Université de Paris Sud, France  
22–25/04/2009

Optical properties of quantum dots doped with Mn.

**Dr. Vincent Huc**

Institut de Chimie Moléculaire et  
des Matériaux d'Orsay, France  
03–05/05/2009

Mixed hybridization systems: beyond the C60

**Dr. Thomas Bach**

Omicron Nanotechnology  
11–15/05/2009

Low frequency noise spectrum in the VT-STM.

**Dr. Masud Haque**

Max Planck Institute for the Physics of  
Complex Systems, Germany  
19–23/05/2009

Pomeranchuk instabilities in fermi liquids.

**Dr. Pawel Buczek**

Max Planck Institute of Microstructure Physics,  
Germany  
25–30/05/2009, 02–30/09/2009

Surfaces and thin film magnons.

**Dr. Eric Suraud**

Université Paul Sabatier, Toulouse, France  
27–29/05/2009

Irradiation of clusters and molecules: signals from  
electrons.

**Prof. Javier Tejada Palacios**

University of Barcelona, Spain  
12–13/06/2009

Magnetic deflagration and detonation.

**Prof. Hrvoje Petek**

University of Pittsburgh, USA  
14–21/06/2009

Electron dynamics in time domain.

**Dr. Manfred Matena**

University of Basel, Switzerland  
14–17/06/2009

Hybrid surface state band in a porous molecular  
network on Cu(111).

**Prof. Marco Bernasconi**

Università di Milano Bicocca, Italy  
16–17/06/2009

Ab initio simulation of materials.

**Prof. Stefano Ossicini**

Universidad de Modena and Reggio Emilia, Italy  
23/06–28/06/2009

Photovoltaic materials: nanowires and biostructure.

**Dr. Ivo Souza**

University of Berkeley, USA  
24–27/06/2009

Theory of polarization and orbital magnetization in  
condensed matter.

**Prof. Carlos Jimenez**

Universidad de la Coruña, La Coruña, Spain  
25–27/06/2009

Nuevos métodos ultrarrápidos para el fracciona-  
miento y purificación de productos naturales.

**Prof. Gerardo Delgado Barrio**

Instituto de Matemáticas y Física Fundamental, CSIC,  
Madrid, Spain  
25–26/06/2009

Microscopical superfluidity in Helium clusters doped  
with diatomic molecules. Cluster physics.

**Doctorand Cyril Martins**

Ecole Polytechnique Palaiseau, France  
30/06–02/07/2009

Many-body theory.

**Dr. Silke Biermann**

Ecole Polytechnique Paris, France  
30/06–02/07/2009

Many-body theory.

**Prof. Eugene Zaremba**

Queen's University, Canada.  
01–12/07/2009

Bose-Einstein Condensation.

**Prof. Lukas Novotny**

The Institute of Optics, University of Rochester, USA  
01–14/07/2009

Optical antennas for enhanced light matter  
interactions.

**Doctorand Simona Achilli**

University of Milano-Bicocca, Italy  
03–08/07/2009

Electronic and magnetic properties of single adatoms  
on metal surfaces.

**Prof. Svetlana Kulkova**

Physics and Materials Science, Russian Academy of  
Sciences, Tomsk, Russia  
03–31/07/2009

Electronic structure of hydrogenated metals.

**Prof. Ian P. Hamilton**

Wilfrid Laurier University, Ontario, Canada  
05–08/07/2009

The nano gold rush: gold clusters, complexes and  
nanostructures.

**Prof. Jean Marie Lehn**

ISIS-Université Louis Pasteur, Strasbourg, France  
07–09/07/2009

Supramolecular chemistry.

**Doctorand Jonathan Janoski**

The University of Akron, USA  
12/07–02/08/2009

Synthesis and dynamics of functional polymers.

**Dr. Ignacio Iglesias Casarrubios**

Universidad de Murcia, Spain  
16–18/07/2009

Optical tomography and biomedical imaging.

**Dr. Laura Chantada**

University of Fribourg, Switzerland  
19–25/07/2009

Light scattering techniques in soft condensed matter.

**Dr. Andriy O. Lyakhov**

New York Center for Computational Science,  
State University of New York at Stony Brook, USA  
20–30/07/2009

Crystal structure prediction using evolutionary  
algorithm.

**Prof. José Maria Soler Torroja**

Universidad Autónoma de Madrid, Spain  
27–29/07/2009

Methodology of first-principles calculations: order-N  
methods.

**Dr. Zelia Zanolli**

Université Catholique de Louvain, Belgium  
27–27/07/2009

Defective carbon nanotubes: magnetism, spin  
transport and gas sensing applications.

**Dr. Nicolas Lorente Palacios**

Centro de Investigación en Nanociencia y  
Nanotecnología (CIN2-CSIC), Spain  
03–04/08/2009

Inelastic Electron Tunnelling Spectroscopy.

**Prof. Baruh Horovitz**

Ben Gurion University, Beer-Sheva, Israel  
10–12/08/2009

Space charge effects in heating of cold atoms.

**Prof. Joachim Krenn**

Karl-Franzens-University Graz, Austria  
03–07/09/2009

Opto-electronic properties of nanoscale systems.

**Dr. Claudio Horowitz**

Centro Atómico Bariloche, Argentina  
05–30/09/2009

Optimized effective-potential approach to the  
Kohn-Sham exchange-correlation potential of  
density-functional theory.

**Dr. Blas Pedro Uberuaga**

Los Alamos National Laboratory, USA  
09–11/09/2009

Applications of accelerated molecular dynamics methods in material science.

**Prof. Daw-Wei Wang**

National Tsing Hua University, Taiwan  
11–14/09/2009

Ultracold atom systems and mesoscopics.

**Prof. Yutaka Wakayama**

National Institute for Materials Science,  
Advanced Electronic Materials Center, Tsukuba, Japan  
12–15/09/2009

Self-assembled molecular nanowires:  
growth, electrical properties and applications.

**Prof. Stefan Maier**

Imperial College London, United Kingdom  
23–29/09/2009

Plasmonics for sensing.

**Dr. José Ignacio Latorre Sentís**

Universitat de Barcelona, Spain  
30/09–01/10/2009

Quantum computation and public understanding of science.

**Prof. Vladlen Zhukov**

Ural Branch of Russian Academy of Sciences,  
Ekaterinbourg, Russia  
10/10–24/10/2009

Electron dynamics in oxides: electron-electron and electron-phonon mechanisms of decay of excited electrons.

**Dr. Pablo Gamallo Belmonte**

Universidad de Barcelona, Spain  
13–30/10/2009

Theoretical description of the adsorption process of Oxygen molecules at graphite surfaces.

**Prof. Yuri Rakovich**

Centre for Research on Adaptive Nanostructures  
and Nanodevices, Trinity College Dublin, Ireland  
15–16/10/2009

Nanocrystal quantum dots: assembly, spectroscopy and applications in photonics.

**Prof. Matthias Bickelhaupt**

Scheikundig Laboratorium der Vrije Universiteit,  
Amsterdam, The Netherlands  
18–24/10/2009

Density functional theory: analysis of potential energy hypersurfaces by the activation strain model.

**Dr. María Blanco Rey**

University of Cambridge, United Kingdom  
22–23/10/2009

Metal oxide surface chemistry with applications in catalysis and physical properties of intrinsically chiral surfaces.

**Prof. Félix Yndurain Muñoz**

Universidad Autónoma de Madrid, Spain  
02–04/11/2009

Magnetism in low dimensional systems.

**Prof. Gian Paolo Brivio**

Università di Milano Bicocca, Italy  
08–11/11/2009

Theory metal overlayers on metals.

**Prof. Maciej Kolwas**

Institute of Physics, Polish Academy of Sciences,  
Poland

09–12/11/2009

Surface plasmons in clusters and nanostructures

**Prof. Dudley Herschbach**

Harvard University, Massachusetts, USA  
12/11/2009

Science as an adventure.

**Dr. Juan Carlos Cuevas**

Universidad Autónoma de Madrid, Spain  
15–18/11/2009

Microwave control of the supercurrent in hybrid weak links.

**Dr. Pauli Virtanen**

Helsinki University of Technology, Finland  
15–18/11/2009

Microwave control of the supercurrent in hybrid weak links.

**Dr. Rubén Esteban Llorente**

Institut d'Optique, France  
27/11–23/12/2009

Nanoantenna optical response.

**Dr. Alejandra Sornosa**

Instituto de Investigaciones Biomédicas, Spain  
17–19/11/2009

Synthetic chemistry for solar cell applications.

**Prof. Raúl Villar Lázaro**

Universidad Autónoma de Madrid, Spain  
18–20/11/2009

An introduction to spintronics, and magnetic dynamics of synthetic Fe/Cr antiferromagnets.

**Prof. Eugene Sherman**

Ikerbasque UPV/EHU, Spain  
24–24/11/2009

Two-dimensional electron gas with spin-orbit disorder.

**Dr. Theyencheri Narayanan**

European Synchrotron Radiation Facility, France  
29–30/11/2009

X-ray techniques in studies of soft condensed matter.

**Dr. Antonio Politano**

Universidad Autónoma de Madrid, Spain  
30/11–02/12/2009

EELS spectroscopy of surface plasmons.

**Prof. Hrvoje Petek**

University of Pittsburgh, USA  
19–23/12/2009

Electron dynamics in time domain.