

23/01/2012

Ultrafast photonics with semiconductor nanowires and plasmonic nanoantennas.

Dr. Otto Muskens, University of Southampton, United Kingdom

25/01/2012

Femtosecond time- and angle-resolved photoemission spectroscopy.

Dr. Patrick S. Kirchmann, Fritz Haber Institute of the Max Planck Society, Berlin, Germany

27/01/2012

Study of the nanoscale surface photovoltage of organic semiconductors combining optical and Kelvin probe microscopy.

Dr. Elisa Palacios Lidon, CIOyN, Universidad de Murcia, Spain

01/02/2012

Femtosecond optical spectroscopy of the ultrafast dynamics of metal nanoparticles.

Dr. Arnaud Arbouet

Centre d'Elaboration de Matériaux et d'Etudes Structurales, CNRS/Université Paul Sabatier, Toulouse, France

10/02/2012

News on particle penetration: Molecules, wakes and Fermi gas.

Prof. Peter Sigmund, University of Southern Denmark, Odense, Denmark

13/02/2012

Magneto-plasmonics of graphene.

Dr. Alexey Kuzmenko, Université de Genève, Switzerland

16/02/2012

Electronic structure of graphene.

Prof. Eugene Kogan, Bar-Ilan University, Ramat-Gan, Israel

17/02/2012

Guided atom optics: recent progress and applications.

Prof. David Guéry-Odelin, Université Paul Sabatier, Toulouse, France

24/02/2012

Holes confined in SiGe nanostructures.

Dr. Vitaliy N. Golovach, CNRS Grenoble, France

29/02/2012

Astronomical instrumentation: a window of opportunities.

Dr. Javier Gorosabel Urkia

Instituto de Astrofísica de Andalucía, Granada, Spain

01/03/2012

Anomalous Hall effect in two-dimensional electron system in periodic magnetic field.

Prof. Vitali Dugaev

Martin-Luther-Universität Halle-Wittenberg, Germany

06/03/2012

Manipulation of hydrogen distribution in Pd by injection of ballistic electron.

Dr. Maria Blanco Rey

University of Cambridge, United Kingdom

06/03/2012

Transport theory of ferromagnetic-insulator Josephson junctions.

Dr. Shiro Kawabata

National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan and LPMMC,

Université Joseph Fourier and CNRS, Grenoble, France

23/03/2012

Internal seminar at Nanophotonics Group

PhD Student Christos Tserkezis, University of Athens, Greece

02/04/2012

Theory of Photoemission from crystals.

Prof. Eugene Krasovskii, Universität Kiel, Germany

12/04/2012

The ESS-Bilbao facility: Baseline design and foreseen applications.

Prof. Javier Bermejo, Facultad de Ciencia y Tecnología, UPV/EHU, Leioa, Spain

18/04/2012

Las atmósferas de los planetas: Ciencia básica, aplicada y desarrollo tecnológico.

Prof. Agustin Sanchez Lavega, UPV/EHU, Escuela Ingenieros de Bilbao

19/04/2012

Spin-polarised supercurrents in artificial magnetic domain walls.

Dr. Jason Robinson, University of Cambridge, United Kingdom

08/05/2012

Cement research at University of Malaga

Prof. Miguel Angel Garcia Aranda, Universidad de Malaga, Spain

10/05/2012

Beat the heat!

Prof. Karsten Reuter, Technische Universität München, Garching, Germany

14/05/2012

Dare to know and know how to dare.

Prof. Federico Mayor Zaragoza, President of Foundation Culture of Peace and

Former General Director of UNESCO

14/05/2012

Natural orbital functional theory of the molecular electronic structure.

Prof. Mario Piris Silveira, University of Erlangen, Nürnberg, Germany

22/05/2012

Storage and activation of methane – ab initio approach.

Prof. Joachim Sauer

Humboldt-Universität zu Berlin, Institut fuer Chemie, Berlin, Germany

23/05/2012

Single molecule spectroscopy approach to energy migration in individual nanostructures – from conjugated polymers to molecular aggregates.

Prof. Ivan Scheblykin, Lund University, Sweden

05/06/2012

Kondo chains on metallic surfaces.

Dr. Miguel Angel Cazalilla, CFM-CSIC, Donostia-San Sebastián, Spain

11/06/2012

The chemical and physical imagination at work in very tight places' & encounter with young (and not so young) researchers.

Prof. Roald Hoffmann, Cornell University, New York, USA

13/06/2012

Watching chemistry in action: probing ultrafast chemical dynamics by time-resolved photoelectron diffraction.

Dr. Daniel Rolles, Max Planck Advanced Study Group (CFEL), Hamburg, Germany

15/06/2012

Issues in nanosafety and nanomedicine.

Prof. Giancarlo Franzese, Facultat de Física, Universitat de Barcelona, Spain

15/06/2012

Magnetic fields induced by the human brain activity: the inverse problem.

Prof. Antonio Hernando Grande, Instituto de Magnetismo Aplicado ADIF,

and Universidad Complutense de Madrid, Spain

19/06/2012

Nearly ideal dispersion on graphene onto C-face SiC.

Dr. Antonio Tejada Gala, Institut Jean Lamour-CNRS, Synchrotron Soleil, Paris, France

06/07/2012

Unusual Chemical Bonds and Reactivities –

Connecting Fundamental Research with Application in Synthetic Chemistry

Prof. Gernot Frenking, University of Marburg, Germany

09/07/2012

First principles prediction of solid-state NMR parameters.

Dr. Jonathan Yates, University of Oxford, United Kingdom

10/07/2012

Microstructural characterisation of calcium silicate hydrates: crystalline and amorphous products.

Prof. Karen Louise Scrivener, EPFL-Lausanne, Switzerland

13/07/2012

Strong correlations and dispersion interactions with non-orthogonal local orbitals.

Dr. Arash Mostofi, Imperial College London, United Kingdom

13/07/2012

TiO₂(110): a flexible playground for thin film growth of aromatic molecules.

Dr. Luca Floreano, IOM-CNR, Laboratorio TASC, Trieste, Italy

17/07/2012

A Gutzwiller study of correlated multi-orbital systems.

Prof. Bo Hellsing, University of Gothenburg, Sweden

23/07/2012

The higgs and the soul of science.

Prof. Jose Ignacio Latorre Sentis, Universitat de Barcelona, Spain

07/08/2012

Light-matter interaction mediated by surface plasmons

Prof. Francisco J. Garcia Vidal, Facultad de Ciencias, Universidad Autónoma de Madrid, Spain

08/08/2012

Quantum design of semiconductor materials: laser, quantum optics, and THz applications.

Prof. Stephan W. Koch, University of Marburg, Germany

02/10/2012

Physical philosophy: unexpected intersections.

Prof. Frank Wilczek, MIT Massachusetts Institute of Technology Center for Theoretical Physics, Massachusetts, USA

18/10/2012

Hierarchical self-assembly of associating soft patchy particles.

Prof. Christos N. Lykos, Faculty of Physics, University of Vienna, Austria

19/10/2012

Magnetite and the magnetite surface: a low energy electron microscopy study.

Prof. Juan de la Figuera Bayon, Instituto de Química Física Rocasolano (CSIC), Madrid

30/10/2012

Theoretical studies of enzymatic reactions.

Prof. Walter Thiel, Max Planck Institut für Kohlenforschung, Mulheim, Germany

02/11/2012

Functional hybrid structures of semiconductor nanocrystals.

Prof. Andrey Rogach, Centre for Functional Photonics (CFP), City University of Hong Kong

06/11/2012

Quantum vortices metallic nanowires, and odd spectra in helium droplets.

Prof. Jan Peter Toennies, Max-Planck Institut für Dynamik und Selbstorganisation, Göttingen, Germany

06/11/2012

Surface plasmon-polaritons in multilayer nanostructures.

Prof. Mikhail Vasilevskiy, University of Minho, Braga, Portugal

09/11/2012

Sustainable processes for the preparation of electrically conductive hierarchical carbon materials.

Dr. Francisco del Monte, Instituto de Ciencia de Materiales de Madrid (ICMM-CSIC), Spain

13/11/2012

Modeling electron transport at the nanoscale using plane waves.

Dr. Arantazu Garcia Lekue, Lawrence Berkeley National Laboratory, USA

19/11/2012

Effects of elastic field anisotropy on the heteroepitaxial growth of Ge quantum dots on vicinal Si surfaces.

Prof. Luca Persichetti, Università di Roma "Tor Vergata" Roma, Italy

14/12/2012

Topological order in electronic wavefunctions.

Prof. Raffaele Resta, Università di Trieste, Italy

08/01/2013

Atom-photon interface with nanostructures.

Dr. Pol Forn Diaz, California Institute of Technology, USA

10/01/2013

X-ray laser sources for nanotechnology and imaging applications.

Dr. Eduardo Granados Mateo, Massachusetts Institute of Technology (MIT), Cambridge, Massachusetts, USA

16/01/2013

Ab initio search for topological materials: routine computation of topological invariants.

Dr. Alexey Soluyanov, ETH, Institute for Theoretical Physics, Zurich, Switzerland

18/01/2013

Visualization of hydrogen-bond dynamics within water-based model systems on a metal surface.

Dr. Takashi Kumagai, Fritz-Haber Institute of the Max-Planck Society, Berlin, Germany

01/02/2013

Ultrafast dynamics in molecules excited by attosecond XUV pulses.

PhD student Andrea Trabattori, Università degli Studi di Milano Bicocca, Milano, Italy

01/02/2013

A Bose-Einstein Condensate of Strongly magnetic atoms.

Prof. Francesca Ferlaino

Institut für Experimentalphysik, Universität Innsbruck, Austria

22/02/2013

A new family of star-like icosahedral structures for small cobalt clusters.

Prof. Faustino Aguilera Granja, UASLP, Universidad Autónoma San Luis Potosí, México

26/02/2013

The polarization of solids – A Historical perspective.

Prof. Raffaele Resta, Università di Trieste, Italy

05/03/2013

The building material group at Chalmers – current research and future projects.

Prof. Helen Jansson, Chalmers University of Technology, Göteborg, Sweden

08/03/2013

Molecular modelling of cavitation in model polyethylene networks.

Dr. Christos Tzoumanekas,

National Technical University of Athens, Greece and Dutch Polymer Institute, Holland

14/03/2013

Spin-flip absorption rate in surfaces with strong spin-orbit interaction.

Doctorand Julen Ibañez Azpiroz, Facultad de Ciencia y Tecnología, UPV/EHU, Leioa, Spain

11/04/2013

Graphene and its unique properties.

Prof. Francisco Guinea Lopez, Instituto de Ciencia Materiales de Madrid CSIC, Spain

12/04/2013

Efficient computation of GW energy level corrections for molecules described in a plane wave basis.

Dr. Bruno Rousseau, Université de Montréal, Canada

17/04/2013

Surface corrugation effects in dissociation dynamics.

Prof. Ludo B.F. Juurlink, Leiden Institute of Chemistry, Leiden University, The Netherlands

22/04/2013

Transformation optics shapes metamaterials.

Prof. John Pendry, Imperial College London, United Kingdom

25/04/2013

Physical chemistry of surface-confined metal-organic complexes.

Dr. Sebastian Stepanow, Max-Planck-Institut für Festkörperforschung, Stuttgart, Germany

30/04/2013

Adsorption structures of large molecules on single-crystal metal surfaces.

Prof. Michel A. Van Hove, Institute of Computational and Theoretical Studies (ICTS)

Hong Kong Baptist University, Hong Kong

03/05/2013

Anharmonic free energies and phonon dispersions from the self-consistent harmonic approximation.

Dr. Ion Errea Lope, Institut de Minéralogie et de Physique de Milieux Condensés,

Université Pierre et Marie Curie, Paris, France

21/05/2013

Tutorial on Broadband dielectric spectroscopy as a powerful tool for investigating molecular dynamics and proton reaction kinetics of condensed matter systems at ambient and elevated pressure.

Prof. Marian Paluch, Institute of Physics, University of Silesia, Poland

31/05/2013

Synergies between new tools for studying strongly correlated many body quantum systems.

Prof. Luca Tagliacozzo, ICFO, Instituto de Ciencias Fotónicas, Castelldefels, Barcelona, Spain

12/06/2013

Ionization of nitric acid in ice surface defects.

Dr. Sampsa Riikonen, Helsinki University of Technology, Finland

14/06/2013

Superconductor/ferroic hybrids.

Dr. Javier Villegas Hernandez, Unité Mixte de Physique CNRS/Thales, Palaiseau, France

20/06/2013

Manipulation of electronic and chemical properties of single layer MoS₂: insights from ab initio calculations.

Prof. Talat S. Rahman, University of Central Florida, Orlando, USA

21/06/2013

Two-photon photoemission studies of graphene and topological insulators.

Dr. Daniel Niesner, University of Erlangen, Germany

25/06/2013

Nanosources, photons and disorder: Nano-optics in complex media.

Prof. Rémi Carminati, Institut Langevin, ESPCI ParisTech, Paris, France

11/07/2013

The Alba light source. Present status and perspectives.

Prof. Salvador Ferrer Fabregas, Synchrotron ALBA, Cerdanyola del Valles, Spain

17/07/2013

Orientation and coupling of adsorbed aromatic molecules by theoretical spectroscopy.

Prof. Guido Fratesi, Universidad degli Studi di Milano-Bicocca, Milano, Italy

19/07/2013

A theoretical perspective of black-holes: past and present.

Dr. Martin Reiris Ithurralde, Max Planck Institute for Gravitational Physics, Golm, Germany

23/07/2013

Nitric oxide as a non-innocent ligand in (bio-)inorganic complexes: charge transfer resolution.

Prof. Ewa Broclawik, Jagiellonian University, Faculty of Chemistry, Krakow, Poland

24/07/2013

The Dielectric Response of Multilayer Graphene Nano-Cones.

Dr. Fredrik Hage, STFC Daresbury Laboratories, Warrington, United Kingdom

07/08/2013

Managing photons and phonons with nanostructures.

Prof. Nikolaos Stefanou, National and Kapodistrian University of Athens, Greece

06/09/2013

Quasiparticle spectra and excitons in organic molecules deposited on graphene and metal surfaces: G0W0-BSE approach.

Dr. Vito Despoja, University of Zagreb, Croatia

10/09/2013

Will Silicene Be the Next Silicon?

Prof. Guy Le Lay, CINaM, Aix-Marseille University, Marseille, France & CNR-ISM, Rome, Italy

16/09/2013

Nanophotonics Enabled by Plasmonic Metamaterials and Nanolasers.

Prof. Shangjr Gwo, National Tsing-Hua University, Taiwan

17/09/2013

A Quantum processor with trapped (Rydberg) ions.

Prof. Markus Hennrich, Institute for Experimental Physics, University of Innsbruck, Austria

20/09/2013

DFT study of strain effects in lanthanum nickelate.

Prof. Bo Hellsing, Chalmers and Göteborg University, Sweden

26/09/2013

Through the quantum world by quantum simulations: from nanotransistors, via multiferroics to graphene and topological insulators.

Dr. Igor Popov, School of Physics, Trinity College Dublin, Ireland

30/09/2013

First-principles inelastic transport using tranSIESTA calculations and user interfaces for the commercial version of the code.

Dr. Mads Engelund, DTU, Copenhagen, Denmark

21/10/2013

Cement under the nanoscope.

Prof. Roland Pellenq, MIT, Massachusetts, USA

28/10/2013

Spin-current generation in metals, semi-, and superconductors.

Dr. Martin Gradhand, University of Bristol, UK

08/11/2013

Linear-scaling approaches to charge- and energy-transfer in (extended) photo-electro-chemical interfaces.

Prof. Gilberto Teobaldi, University of Liverpool, UK

19/11/2013

Conserving approximations for correlated inhomogeneous systems; from molecules to quantum transport.

Dr. Adrian Stan, Détaché à Laboratoire des Solides Irradiés, École Polytechnique, Palaiseau, France

22/11/2013

Electron Acceptor Molecules deposited on epitaxial graphene studied by means of Low temperature scanning tunneling microscopy/spectroscopy

Dr. Manuela Garnica Alonso, IMDEA Nanociencia, Madrid

04/12/2013

X-ray spectroscopy of 3d magnetic impurities on graphene and graphite: from strong to weak interaction.

Dr. Jan Honolka, Institute of Physics, Academy of Sciences of the Czech Republic (ASCR), Prague, Czech Republic

13/12/2013

Soft x-ray spectroscopy for solar energy conversion.

Dr. Ioannis Zegkinoglou, Lawrence Berkeley National Laboratory, California, USA