

Visiting Researchers

Long visits

Dr. Vitaly Golovach

CNRS Grenoble, France

01/11/2012–31/10/2017

Electronic properties at the nanoscale.

Dr. Mathias Ljunberg

Laboratoire ondes et matière d'Aquitaine (LOMA) -

CNRS, Talence, France

16/04/2014–16/04/2016

First principles calculations of complex oxides.

Dr. Rafael Grande Aztatzi

Cinvestav, Centro de Investigación y Estudios

Avanzados del Instituto Politécnico Nacional,

México

28/08/2014–31/12/2016

Computational approach to aluminum biochemistry: al-phosphorylated polypeptide interactions.

Mauricio Rodriguez Mayorga

Universitat de Girona, Spain

01/12/2014–31/12/2017

Development of improved exchange-correlation functionals.

Grabiele Dalla Torre

Universita degli Studi di Milano, Italy

01/09/2015–30/04/2017

Theoretical chemistry.

Víctor Ramón Escobedo Bermúdez

Universidad de Salamanca, Spain

01/10/2015–30/09/2016

Literature and science.

Flavio Matias da Silva

Universidade Federal do Rio Grande do Sul,

Porto Alegre, Brazil

15/10/2015–15/09/2016

Time dependent density functional theory applied to the interaction of charges and metallic media.

Prof. Raffaele Resta

Università di Trieste, Italy

02/12/2015–29/02/2016

Geometry and topology in electronic structure.

Prof. Juan Faustino Aguilera Granja

UASLP, Universidad Autónoma San Luis Potosí,
México

10/12/2015–10/01/2016

Theoretical study of the electronic properties
of transition metals on graphene sheet, and
electronic properties of small binary clusters.

Dr. Natalia Cortés Muñoz

Universidad Técnica Federico Santamaria,
Valparaiso, Chile

16/12/2015–15/06/2016

Electronic and thermal properties of two
dimensional materials.

Prof. Giorgio Benedek

Università di Milano-Bicocca, Milano, Italy

11/01–28/02/2016

Surface phonons and phase transitions.

Dr. Angela Demetriadou

Imperial College London, UK

13/01–30/04/2016

Nanophotonics in ultranarrow gaps.

Prof. Gernot Frenking

Fachbereich Chemie, Philipps Universität Marburg,
Marburg, Germany

01/02–31/03/2016

Theoretical chemistry.

Prof. Roman Kuzian

National Academy of Sciences of Ukraine, Kiev,
Ukraine

01/02–30/04/2016

Photoemission from strongly correlated systems.

Diego Romero Abujetas

Instituto de Estructura de la Materia, IEM-CSIC
01/02–30/06/2016

Theory of light scattering in nano-structured
highly refractive media.

Prof. Norman March

University of Antwerpen, Belgium

04/02–04/04/2016

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

Prof. Joseph Richard Manson

Clemson University, South Carolina, USA

08/02–15/03/2016

Theoretical studies of structure and dynamics of
microscopic surfaces.

Samuel Maciel Correa

Universidade Federal de Pará, Brazil

09/02–31/07/2016

Electron transport simulations of nanostructures.

Prof. Vladimir Nazarov

Research Center for Applied Sciences, Academia
Sinica, Taipei, Taiwan

01/03–31/03/2016

Time-dependent density-functional theory of EELS
of thin films on substrates.

Prof. Wolfgang Schattke

Institut für Theoretische Physik,
Christian-Albrechts-Universität zu Kiel, Germany

01/03–31/05/2016

Quantum Monte-Carlo/Photoemission.

Prof. Victor Tugushev

National Research Center "Kurchatov Institute",
Moscow, Russia

01/03–27/05/2016

Anomalous hall effect in topological insulators.

Prof. Valery Tyuterev

Tomsk State Pedagogical University, Tomsk, Russia
21/03–20/04/2016

Electron-phonon interaction in semiconductors
and nanostructures.

Jorge Luis Hita

Universidad Autónoma de Madrid, Spain
28/03–28/06/2016

Theoretical analysis of optical binding induced by
random field fluctuations.

Prof. Alexander Protogenov

Institute of Applied Physics of the Russian
Academy of Sciences, Nizhnii Novgorod, Russia

04/04–03/05/2016

Interacting topological states on the surface of
Dirac materials.

Dr. Mario Zapata Herrera

Universidad de los Andes, Bogotá, Colombia

04/04–30/06/2016

Quantum and classical approaches to the optical
response of metallic nanostructures.

Thomas Lavoisier

Université Paris-Sud, France

25/04–25/07/2016

STM analysis of curved SrTiO₃ surfaces.

Dr. Ziya Aliyev

Institute Catalysis and Inorganic Chemistry,
Azerbaijan National Academy of Science, Baku,
Azerbaijan

01/05–30/07/2016

Materials physics of topological insulators.

Prof. Francesca Ferlaino

Institut für Experimentalphysik,
University of Innsbruck, Austria

30/05–22/08/2016

Quantum optics and quantum information.

Dr. Sergey Eremeev

Institute of Strength Physics and Materials Science,
Tomsk, Russia

01/06–29/08/2016

Topological insulators.

Dr. Martin Horn

University of Konstanz, Germany

01/06–30/06/2016

Image segmentation using machine learning with
ImageJ and KNIME.

Prof. Vladimir Menshov

National Research Centre "Kurchatov Institute",
Moscow, Russia

01/06–30/08/2016

Electron properties and QAHE in magnetic
topological insulator thin films.

Dr. Maria Corina Urdaniz Gonzalez

Comision Nacional de Energía Atómica,
Buenos Aires, Argentina

05/06–12/08/2016

Magnetic properties of transition metal atoms on
the CuCl surface.

Prof. Vladimir Nazarov

Research Center for Applied Sciences,
Academia Sinica, Taipei, Taiwan

06/06–05/07/2016

Time-dependent density-functional theory of EELS
of thin films on substrates.

Prof. Juan Faustino Aguilera Granja

UASLP, Universidad Autónoma San Luis Potosí,
México

09/06–08/08/2016

Theoretical study of the electronic properties of
transition metal on graphene.

Dr. Sara Barja Martinez

Max Planck Institute for Solid State Research,
Stuttgart, Germany

15/06–03/11/2016

Electrochemistry of 2D transition metal
dichalcogenides.

Dr. Tatiana Menshchikova

Tomsk State University, Russia

16/06–12/09/2016

Investigation of the electronic structure of topo-
logical insulators using first-principles calculations.

Dr. Igor Rusinov

Tomsk State University, Russia

16/06–12/09/2016

Investigation of materials for spintronics: topologi-
cal semiconductors and bismuth tellurohalides.

Prof. Oleg Prezhdo

University of Southern California,
Los Angeles, California, USA
23/06–15/08/2016

Modeling of excitation dynamics in nanoscale materials using time-domain density functional theory and advanced techniques.

José Angel Castellanos Reyes

Universidad Autónoma Nacional de México,
Mexico
29/06–05/08/2016

Induced forces by swift electrons on metallic nanoparticles.

Dr. Alejandro Reyes Coronado

Universidad Autónoma Nacional de México
29/06–05/08/2016

Induced forces by swift electrons on metallic nanoparticles.

Prof. Francisco José García Vidal

Facultad de Ciencias, Universidad Autónoma de Madrid, Spain
01/07–31/08/2016
Quantum plasmonics.

Prof. Włodzimierz Jaskólski

Nicolaus Copernicus University, Institute of Physics, Torun, Poland
01/07–31/07/2016
Topologically protected states in bilayer graphene.

Prof. Pavel Jelinek

Institute of Physics of the Czech Academy of Sciences Prague, Czech Republic
01/07–31/08/2016
Molecular nanostructures on surfaces.

Prof. Nikolay Kabachnik

Institut für Experimentalphysik, Hamburg, Germany
01/07–30/09/2016
Study of Auger processes in gases and at solid surfaces within an attosecond streaking scheme.

Prof. Andrey Vasenko

Laboratoire de Physique et Modélisation des Milieux Condensés, CNRS, Grenoble, France
01/07–15/08/2016

Superconductor/ topological insulator proximity effect.

Prof. Jorge Kohanoff

Queen's University Belfast, Northern Ireland, UK
01/07–30/07/2016

Time-dependent density-functional theory for radiation damage

Dr. Fernando de Juan Sanz

IMDEA Nanociencia, Madrid
04/07–12/08/2016

Charge density waves in transition metal dichalcogenides and transport in HgTe quantum wells.

Prof. Carmen Mijangos Ugarte

Consejo Superior de Investigaciones Científicas, Instituto de Ciencia y Tecnología de Polímeros, Madrid, Spain
04/07–04/08/2016

Gradual polymer nanostructures by nanotemplating.

Prof. Luis Martín Moreno

Instituto de Ciencia de Materiales de Aragón, (ICMA), Zaragoza, Spain
07/07–06/08/2016
Nanophotonics.

Prof. Miguel Angel Cazalilla

National Tsing Hua University, Taiwan
11/07–11/08/2016
Spintronics of two dimensional materials.

Afaf El-Sayed Abdelmottaleb Masoud

Faculty of Science, Al-Azhar University, Cairo, Egypt
15/07–10/10/2016
Interactions at organic/metal interfaces measured by their adsorption heights.

Prof. Vladimir Kuznetsov

Tomsk State University, Tomsk, Russia
01/08–31/08/2016

Investigation of the electronic structure of topological insulators using first-principles calculations.

Prof. Gernot Frenking

Fachbereich Chemie, Philipps Universität Marburg, Germany
08/08–31/10/2016
Theoretical chemistry.

Yuri Hasegawa

University of Tsukuba, Japan
22/08.2016–15/02/2017

Self-assembled and covalently-coupled molecular networks on metallic surfaces.

Dr. Paul D. Bristowe

University of Cambridge, UK
01/09–30/09/2016

The properties of MAX phases from first principles.

Prof. Amand Lucas

University of Namur, Belgium
01/09–30/10/2016

Scattering of charged particles by surfaces.

José Manuel Guevara Vela

Universidad de Oviedo, Spain
04/09–04/12/2016

Intracules of the pair density in atoms and molecules.

Prof. Thomas A. Klar

Johannes Kepler University Linz, Institute of Applied Physics, Linz, Austria
10/09–23/10/2016

Study of conduction properties in plasmonic junctions.

Prof. Giorgio Benedek

Università di Milano-Bicocca, Milano, Italy
11/09–31/10/2016

Surface phonons and phase transitions.

Dr. Leonor Chico Gomez

Instituto de Ciencia de Materiales de Madrid (ICMM), Spain
16/09–16/10/2016

Electronic and magnetic properties of graphene-based systems.

Prof. Joseph Richard Manson

Clemson University, South Carolina, USA
04/10–10/11/2016

Electron-phonon interactions at metal surfaces, and scattering of atoms and molecules from surfaces.

Prof. Julio A. Alonso Martín

Facultad de Ciencias, Universidad de Valladolid, Spain
01/11–30/11/2016

Interaction of molecules with metallic nanoparticles.

Prof. Talat Shahnaz Rahman

University of Central Florida, USA
01/12–01/02/2017

Surface coordination chemistry and development of many-body theories beyond DFT.

Short visits

Prof. Godfrey Gumbs Hunter College, The City University of New York, USA 08/01–29/01/2016 Optical response properties of buckled 2D silicene.	Prof. Cornelius Krellner University of Frankfurt, Germany 21/01–23/01/2016 Correlated matter: Insights from new materials.	Prof. Marco Bernasconi Department of Materials Science, University of Milano-Bicocca, Italy 04/02–06/02/2016 Large Scale Simulations of Phase Change Materials for Data Storage.	Dr. Paula Abufager Instituto de Física Rosario CONICET (Consejo Nacional de Investigaciones Científicas y Técnicas), Rosario, Argentina 05/03–02/04/2016 Inelastic effects on SAM.
Prof. Andreas Savin Université Pierre et Marie Curie, Paris, France 11/01–22/01/2016 Adiabatic connection in DFT	Dr. Pierre Fouché CRPP, Centre de Rederche Paul Pascal 24/01–30/01/2016 Superradiance in plasmon-molecule hybrid systems.	Prof. Geert-Jan Kroes Leiden Institute of Chemistry, Gorlaeus Laboratory, Leiden, Netherlands 07/02–05/03/2016 Electronic and surface temperature effects in the adsorption, desorption and scattering of diatomic molecules on metal surfaces	Prof. Juan Faustino Aguilera Granja UASLP, Universidad Autónoma San Luis Potosí, México 14/03–18/03/2016 Theoretical study of the electronic properties of transition metals on graphene sheet, and electronic properties of small binary clusters.
Prof. Denis Vyalikh Dresden University, Germany 13/01–23/01/2016 Photoemission measurements of magnetic surface states.	Dr. James Beardmore Keele University, Keele, UK 24/01–07/02/2016 Simulación teórica y caracterización del mecanismo de reacción de formación de hidroxialuminosilicatos (HAS)	Anna Mandziak Universidad Maria Curie-Sklodowska, Lublin, Poland 15/02–17/02/2016 Core-level investigations of curved crystals.	Dr. Jean Christophe Gimel University of Angers, France 14/03/2018–18/03/2016 Diffusion of nanotracers in complex media.
Prof. Christoph Geibel MPI CPFS, Dresden, Germany 17/01–19/01/2016 Two hot topics related to quantum critical points: Fermi surface and charge density wave.	Dr. Pablo Aguado Puente CIC nanoGUNE, Donostia / San Sebastián, Spain 01/02–14/02/2016 Coupling of ferroic nanoscale films with interfacial two dimensional electron gases in oxides.	Kim Hanseul Korea Advanced Institute of Science and Technology (KAIST), Republic of Korea 16/02–18/02/2016 Ab initio simulations of quantum transport.	Dr. Marta Prada University of Hamburg, Germany 15/03–15/03/2016 Spintronics in low-dimensional heterostructures: a symmetry-based perspective.
	Prof. Marijan Sunjic University of Zagreb, Croatia 02/02–26/02/2016 Dynamical response and surface excitations in thin films.	Prof. Salvador Miret Artes CSIC, Instituto de Física Fundamental, Madrid 23/02–27/02/2016 Theory of surface diffusion.	Prof. Christian A. Nijhuis National University of Singapore 20/03–22/03/2016 Electrical excitation, manipulation, and detection, of plasmons in molecular junctions.
	Prof. Dimitri Batani Université de Bordeaux, Talence, France 04/02–06/02/2016 Development of the PETAL laser facility and its applications in physics.	Prof. Sascha Husa Universitat de les Illes Balears & Institut d'Estudis Espacials de Catalunya (IEEC), Spain 27/02–01/03/2016 Primer descubrimiento. Advanced LIGO.	Prof. Juan Faustino Aguilera Granja UASLP, Universidad Autónoma San Luis Potosí, México 28/03–01/04/2016 Theoretical study of the electronic properties of transition metals on graphene sheet, and electronic properties of small binary clusters.
		Prof. Alicia Sintés Olives Universitat de les Illes Balears & Institut d'Estudis Espacials de Catalunya (IEEC), Spain 27/02–01/03/2016 Primer descubrimiento. Advanced LIGO.	Prof. Friedrich Reinert Universidad de Würzburg, Germany 30/03–03/04/2016 Electronic States in Topological insulators.
		Dr. Andrea Donarini Institute of Theoretical Physics, University of Regensburg, Germany 28/02–01/03/2016 Transport characteristics of complex interacting nano-junctions.	

Dr. Helene Bouchiat

Laboratoire de Physique des Solides,
Université Paris Sud, France
07/04–08/04/2016
Quantum interferences in bismuth nanowires based Josephson junctions: signature of topological ballistic edge states?

Prof. Roland Hayn

University d'Aix-Marseille, France
09/04–16/04/2016
Magnetic moment formation in metal-organic monolayers.

Prof. Rolf Heid

Karlsruhe Institute of Technology (KIT), Germany
10/04–13/04/2016
Electron phonon interaction in bulk metals and at surfaces.

Prof. Dieter Richter

IFF-FZ, Forschungszentrum Jülich, Germany
11/04–15/04/2016
Polymer dynamics by neutron techniques.

Dr. Michaela Zamponi

Forschungszentrum Jülich, Germany
13/04–15/04/2016
Dynamics of branched polymers.

Prof. Ernesto Medina

Instituto Venezolano de Investigaciones Científicas,
Caracas, Venezuela
14/04–18/04/2016
Spin orbit interaction in electron transport in chiral molecules.

Felix Benz

University of Cambridge, UK
18/04–22/04/2016
Single atom motion as a driver of vibrational pumping in an optical cavity.

Prof. Stefano Corni

Center S3, CNR Institute of Nanoscience,
Modena, Italy
18/04–20/04/2016
An hybrid model for the optical properties of molecules close to plasmonic nanoparticles.

Dr. Andrey Borisov

Université Paris Sud, L'Institut des Sciences
Moléculaires d'Orsay, France
20/04–30/04/2016
Quantum plasmonics.

Dr. Luis Rosales Ahumada

Universidad Técnica Federico Santa María, Chile
22/04–29/04/2016
Transport and thermoelectric properties of nano system.

Dr. Michele Burrello

Max Planck Institute of Quantum Optics, Garching,
Germany
24/04–27/04/2016
Quantum engineering of non-Abelian phases of matter.

Prof. Barbara Kraus

Universität Innsbruck & IQOQI, Innsbruck, Austria
09/05–13/05/2016
Entanglement and LU/LOCC classification of fermionic Gaussian states.

Cornelia Spee

Universität Innsbruck & IQOQI, Austria
09/05–13/05/2016
Entanglement and LU/LOCC classification of fermionic Gaussian states.

Prof. Justin Wells

Norwegian University of Science and Technology (NTNU), Trondheim, Norway
10/05–14/05/2016
Electron-phonon interactions in graphene.

Prof. Thiagarajan Balasubramanian

MAX IV Laboratory, Lund University, Sweden
11/05–13/05/2016
Electron-phonon interactions in graphene.

Prof. Bo Hellsing

Gothenburg University, Sweden
11/05–14/05/2016
Electron-phonon interactions in graphene.

Dr. Laurent Limot

CNRS, Strasbourg, France
11/05–13/05/2016
Molecular spintronics using single metallocenes.

Dr. Federico Mazzola

Norwegian University of Science and Technology (NTNU), Trondheim, Norway
12/05–13/05/2016
Photoemission spectroscopies and their application in solid state and material physics.

Prof. Yutaka Wakayama

National Institute for Materials Science (NIMS),
Tsukuba, Ibaraki, Japan
12/05–17/05/2016
Molecular assemblies on metal surfaces.

Dr. Sara Capponi

Cardiovascular Research Institute,
University of California in San Francisco, USA
15/05–22/05/2016
Nanoconfined water in a channel-like protein.

Prof. Simone Napolitano

Université Libre de Bruxelles (ULB) Laboratory of Polymer and Soft Matter Dynamics, Faculté des Sciences, Belgium
16/05–18/05/2016
Polymer dynamics in confinement.

Dr. Daniel Wegner

Radboud University, Institute for Molecules and Materials, Nijmegen, Netherlands
18/05–20/05/2016
Finding and tuning electronic "set screws" in molecular magnets and phosphorescent complexes.

Dr. Nicolas Large

Northwestern University, Chicago, USA
19/05–21/05/2016
Optical response in plasmonic nanostructures.

Prof. Amy Catanzano

Wake Forest University, North Carolina, USA
23/05–25/05/2016
Quantum poetics: language and reality in physics and poetry.

Prof. Franz Himpsel

University of Wisconsin, Madison, USA
28/05–08/06/2016
Electronic states of organic molecules for solar cells.

Prof. Peter Saalfrank

Institut für Chemie, Universität Postdam,
Postdam-Golm, Germany
28/05–03/06/2016
Elastic, inelastic, and reactive scattering of atoms and molecules from surfaces.

Dr. Ferran Feixas

Universitat de Girona, Spain
31/05–05/06/2016
Accelerated molecular dynamics: a versatile tool to study protein dynamics, protein folding and biomolecular recognition.

Prof. Juan Luis Suarez

CulturePlex Lab at Western University, Ontario,
Canada
06/06–08/06/2016
Cultural Analytics. The Humanistic Science of Culture.

Dr. Daijiro Nozaki

University of Paderborn, Germany
08/06–11/06/2016
Interference phenomena in open quantum systems: applications for molecular switches and thermo-electric devices.

Tobia Mancabelli

Ludwig-Maximilians-Universität, Munich, Germany
12/06–18/06/2016
Study of quantum effects in Raman scattering of graphene samples.

Prof. Ceferino López

Instituto de Ciencia de Materiales de Madrid (ICMM-CSIC), Spain
13/06–16/06/2016
Light scattering in random media.

Prof. Eugene Kogan

Bar-Ilan University, Ramat-Gan, Israel
16/06–30/06/2016
Critical phenomena in disorder magnets.

Prof. Wolfgang Paul

Institut für Physik, Martin Luther University
Halle-Wittenberg, Germany
17/06–23/06/2016
Relaxation processes and glass transition of confined
1,4-polybutadiene.

Dr. Remi Avriller

CNRS Laboratoire Ondes et Matière d'Aquitaine
(LOMA) Université de Bordeaux et CNRS, Talence,
France
20/06–24/06/2016
Quantum transport and nanoelectromechanical
systems.

Dr. Martin Zeppenfeld

Max-Planck Institut fuer Quantenoptik (MPQ),
Garching, Germany
22/06–25/06/2016
Trapping and manipulating cold polar molecules.
Electronic states of organic molecules for solar cells.

Prof. David Johnson

University of Oregon, USA
22/06–24/06/2016
Synthesis of two D materials.

Prof. Vladimir Chaldyshev

Ioffe Physico-Technical Institute
Russian Academy of Science, St. Petersburg, Russia
25/06–02/07/2016
Plasmonic properties of metal nanoparticles in semi-
conducting materials.

Prof. Andres Diaz Gil

Instituto de Física Teórica (UAM-CSIC), Madrid, Spain
26/06–29/06/2016
Software carpentry: best practices for scientific com-
puting.

Prof. Geert-Jan Kroes

Leiden Institute of Chemistry, Gorlaeus Laboratory,
Leiden, Netherlands
26/06–09/07/2016
Electronic and surface temperature effects in the
adsorption, desorption and scattering of diatomic
molecules on metal surfaces.

Prof. Gabriel Molina Terriza

Macquarie University, Sydney, Australia
26/06–15/07/2016
Enhancing circular dichroism with dual
nanostructures.

Prof. Ravindra Chhajlany

Faculty of Physics, Adam Mickiewicz University,
Poznan, Poland
27/06–03/07/2016
Non-standard Hubbard model in optical lattices.

Prof. Andrei Borisov

Université Paris Sud, France
03/07–31/07/2016
Quantum plasmonics

Prof. Francisco Guinea López

IMDEA Nanoscience, Madrid, Spain
03/07–31/07/2016
Two dimensional materials.

Prof. Maria Angeles Hernandez Vozmediano

Instituto de Ciencia de Materiales de Madrid,
Consejo Superior de Investigaciones Científicas,
CSIC, Madrid, Spain
03/07–30/07/2016
Analysis of interactions, disorder, and lattice
distortions in topological insulators and graphene.

Dr. Pascal Larregaray

Institut des Sciences Moléculaires,
Université de Bordeaux, France
04/07–27/07/2016
Ab-initio methods for studying the physics and
chemistry of adsorption processes at surfaces.

Dr. Hendrik Bentmann

University of Würzburg, Germany
05/07–07/07/2016
Photoelectron spectroscopy study of spin-orbit
interaction at surfaces.

Prof. Leonid Glazman

Yale University, Connecticut, USA
10/07–30/07/2016
Spin-dependent transport in low dimensional
semiconducting structures.

Dr. Jerome Cayssol

Université Bordeaux, LOMA, France
11/07–12/07/2016
Quantum transport in excitonic condensates

Prof. Manuel Nieto Vesperinas

Instituto de Ciencia de Materiales de Madrid
(ICMM-CSIC), Spain
11/07–15/07/2016
Theory of optical torques on small particles.

Prof. Giovanni Vignale

University of Missouri-Columbia, Columbia, USA
16/07–24/07/2016
Condensed matter theory.

Prof. Albert Fert

UMR CNRS Thales, Palaiseau, France
17/07–21/07/2016
Conversion between spin and charge currents at
room temperature by Rashba or Topological Insulato
interfaces and perspective for low power spintronic
devices.

Dr. Cosimo Gorini

Universität Regensburg, Regensburg, Germany
17/07–22/07/2016
Dissipative transport in systems with flat bands.

Prof. Angela Camacho

Universidad de los Andes, Bogotá, Colombia
18/07–19/07/2016
Nanosecurity: a Colombian initiative.

Prof. Ulrich Höfer

PhilippsUniversität Marburg, Germany
20/07–27/07/2016
Resonance hopping on surfaces of simple metals.

Prof. Alexander Golubov

University of Twente, Netherlands
31/07–07/08/2016
Topological superconductivity.

Prof. Garnett Bryant

NIST, Gaithersburg, Maryland, USA
21/08–30/08/2016
Nanophotonics.

Prof. Bogdan Andrei Bernevig

Princeton University, New Jersey, USA
22/08–08/09/2016
Topological insulators.

Dr. Zhijun Wang

Princeton University, NJ, United States
22/08–11/09/2016
Topologically ordered phases of matter.

José Daniel Mella Riquelme

Universidad de Chile, Santiago, Chile
26/08–11/09/2016
Topological crystalline insulator

Dr. Thomas Hendel

Institute of Chemistry of Humboldt-University of Berlin,
Germany
29/08–05/09/2016
Photonics of hybrid structures.

Prof. Archie Howie

Cavendish Laboratory, University of Cambridge,
Cambridge, UK
05/09–19/09/2016
Electron energy loss and decoherence.

Prof. Harald Brune

Institute of Physics, EPFL, Switzerland
07/09–09/09/2016
Realizing the smallest surface adsorbed quantum
magnets.

Dr. Elias Diesen

Stockholm University, Sweden
11/09–16/09/2016
Vibrational effects in resonant X-ray emission.

Iurii Zhovtobriukh

Stockholm University, Sweden
11/09–16/09/2016
Vibrational effects in resonant X-ray emission.

Dr. Akshay Rao

Cavendish Laboratory, University of Cambridge, UK
13/09–14/09/2016
Singlet exciton fission: a path to break the shockley-
queisser limit on the efficiency of photovoltaics.

Prof. Teheodore Einstein

University of Maryland, United States

14/09–18/09/2016

Elastic Interactions between surface steps.

Prof. Yutaka Wakayama

National Institute for Materials Science (NIMS), Tsukuba, Ibaraki, Japan

20/09–01/10/2016

Molecular assemblies on metal surfaces.

Prof. Archie Howie

Cavendish Laboratory, Cambridge, UK

26/09–03/10/2016

Electron energy loss and decoherence. Participate in Passion for Knowledge Meeting.

Dr. Jean Christophe Tremblay

Freie Universität Berlin, Germany

26/09–30/09/2016

Simulation of STM-induced tautomerization within a single porphycene molecule on Cu(111)

Prof. Marijan Sunjic

University of Zagreb, Croatia

03/10–30/10/2016

Dynamical response and surface excitations in thin films.

Prof. Salvador Miret Artes

CSIC, Instituto de Física Fundamental, Madrid, Spain

23/10–26/10/2016

Theory of surface diffusion.

Dr. Andreas Schnyder

Max Planck Institute for Solid State Research, Stuttgart, Germany

26/10–28/10/2016

Design and characterization of new topological materials.

Dr. Leslie Schoop

Max Planck Institute for Solid State Research, Stuttgart, Germany

26/10–30/10/2016

New fermions.

Prof. Dimitri Batani

Université de Bordeaux, Talence, France

27/10–30/10/2016

Development of the PETAL laser facility and its applications in physics.

Dr. Donald Mancelli

Université de Bordeaux, Talence, France

27/10–28/10/2016

Development of the PETAL laser facility and its applications in physics.

Prof. Denis Vyalikh

Dresden University, Germany

30/10–03/11/2016

Photoemission measurements of magnetic surface states.

Dr. Alexander Fedorov

Universität Köln and IFW Dresden, Germany and

St. Petersburg State University, Russia

31/10–03/11/2016

Electronic properties of doped graphene and graphene nanoribbons: photoemission study.

Yael Gutierrez Vela

Universidad de Cantabria, Santander, Spain

02/11–30/11/2016

Calculation of optical constants from ab initio calculations.

Dr. Barry Bradlyn

Princeton University, USA

12/11–19/11/2016

Topological quantum chemistry.

Prof. Mikael Kepenekian

CNRS, Institut des Sciences Chimiques de Rennes,

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14/11–25/11/2016

Spin-orbit electron transport from first principles.

Dr. Laura Fernandez Gomez-Recuero

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15/11–01/12/2016

Doped-graphene for electrochemical energy storage.

Prof. Tadaaki Nagao

National Institute of Materials Science, Tsukuba, Japan

22/11–30/11/2016

Wavelength selective perfect absorbers for infrared devices.

Dr. Ming Hao Liu

University of Ratisbona, Germany

23/11–29/11/2016

Quantum transport in system with bosonic conical intersection.

Prof. Shuichi Murakami

Tokyo Institute of Technology, Japan

23/11–26/11/2016

Physics of topological insulators and topological semimetals.

Prof. Motoaki Hirayama

Tokyo Institute of Technology, Japan

23/11–26/11/2016

Physics of topological insulators and topological semimetals.

Prof. Arno Rauschenbeutel

Institute of Atomic and Subatomic Physics, Vienna

University of Technology, Austria

23/11–25/11/2016

Nanofiber-based atom light quantum interfaces.

Prof. Sang Hyun Oh

University of Minnesota, Minneapolis, USA

24/11–29/11/2016

Nanoplasmonics.

Prof. Pier A. Mello

Instituto de Física, Universidad Nacional Autónoma de México, (UNAM) D.F., Mexico

26/11–11/12/2016

Transport through disordered conductors and waveguides.

Fernando Izquierdo Ruiz

Universidad de Oviedo, Spain

27/11–03/12/2016

Calculation of anharmonic modes in clathrate hydrates.

Prof. José Manuel Recio

Universidad de Oviedo, Spain

27/11–28/11/2016

Calculation of anharmonic modes in clathrate hydrates.

Dr. Christian Pedersen

DTU, Technical University of Denmark, Denmark

28/11–23/12/2016

Transport properties of graphenic nanostructures.

Prof. Andrey Borissov

Université Paris Sud, France

08/12–10/12/2016

Quantum plasmonics.

Dr. Lukas Gallmann

Institute of Quantum Electronics, ETH Zürich, Switzerland

08/12–09/12/2016

Attophysics.

Prof. Ursula Keller

Institute of Quantum Electronics, ETH Zürich, Switzerland

08/12–09/12/2016

Attophysics.

Dr. Matteo Lucchini

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08/12–09/12/2016

Attophysics.

Prof. Anastassia N. Alexandrova

University of California, Los Angeles, USA

13/12–21/12/2016

Quantum chemistry and chemical bonding of small catalytic clusters.

Dr. Mikolaj Kajetan Schmidt

Faculty of Physics, Warsaw University, Poland

13/12–17/12/2016

Two-photon frequency-resolved correlations in optomechanical systems.

Prof. Rémi Carminati

Institut Langevin, ESCPI ParisTech, France

18/12–22/12/2016

Near field effects and multiple scattering of light.