

Visiting Researchers

Long visits

Dr. Vitaly Golovach

CNRS Grenoble, France

01/11/2012–Present

Electronic properties at the nanoscale.

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 approach to aluminum biochemistry: developments of new chelation therapies

Yuri Hasegawa

University of Tsukuba, Japan

22/08/2016–15/02/2017

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

Prof. Talat Shahnaz Rahman

University of Central Florida, USA

01/12/2016–01/02/2017

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

Prof. Bogdan Andrei Bernevig

Princeton University, New Jersey, USA

15/01–05/03/2017

Topological matter: classification and design.

Prof. Vito Despoja

University of Zagreb, Croatia

01/02–01/03/2017

Optical properties of quasi-two-dimensional crystals.

Dr. Roman Kuzian

National Academy of Sciences of Ukraine,

Kiev, Ukraine

01/02–30/04/2017

Photoemission from strongly correlated systems.

Prof. Wolfgang Schattke

Institut für Theoretische Physik,
Christian-Albrechts-Universität zu Kiel, Germany
01/02–30/04/2017
Molecular machines on surfaces:
Benzene and derivatives.

Prof. Marijan Sunjic

University of Zagreb, Croatia
01/02–28/02/2017
Dynamical response and surface excitations in
thin films.

Nick Gerrits

Leiden Institute of Chemistry, Netherlands
02/02–12/05/2017
Atoms in jellium beyond the local density approxi-
mation. Implications for electronic friction.

Prof. Joseph Richard Manson

Clemson University, South Carolina, USA
06/02–15/03/2017
Electron-phonon interaction at surfaces.

Prof. Gabriel Cwilich

Yeshiva University, New York, USA
13/02–31/07/2017
Work in several projects on propagation in random
media, quantum optics and collaborate with the
program Mestizajes

Azar Ostovan

Shahid Chamran University of Ahvaz, Iran
18/02–10/08/2017
The ab-initio simulations of electron transport in
nanoscale devices.

Prof. Peter Saalfrank

Institut für Chemie, Universität Postdam,
Postdam-Golm, Germany
01/03–31/03/2017
Theory of electronic friction at surfaces.

Dr. Bruce Milne

Universidade de Coimbra, Coimbra, Portugal
12/03–26/08/2017
Predicting properties of biogenic materials with
machine learning.

Prof. Andrey Borissov

ISMO, Université Paris-Sud, Orsay Cedex, France
01/04–31/05/2017
Quantum Plasmonics.

Prof. Gernot Frenking

Philipps-Universität Marburg, Germany
01/04–31/07/2017
Advances in chemical bonding theory.

Prof. Bogdan Andrei Bernevig

Princeton University, New Jersey, USA
24/04–05/06/2017
Topological matter: classification and design.

Malin Kück

Humboldt-University Berlin, Germany
01/05–31/07/2017
Introduction to scattering and optical forces at the
nanoscale.

Prof. Vladimiro Mújica Hernandez

Arizona State University, USA and Yachay Tech,
Ecuador
01/05–31/05/2017
Effective spin-orbit interaction in chiral molecules.
Field-induced chirality transfer. Chiral-induced
asymmetry in CP MAS NMR.

Manon Gouspy

Université Paris Sud, Orsay, France
08/05–08/08/2017
Preparation and structural characterization of a
nanostructured surface in ultra high vacuum.

Prof. Andrey Vasenko

Moscow Institute of Electronics and Mathematics,
Russia
16/05–15/08/2017
Electronic transport in topological insulators.

Prof. Bo Hellsing

Gothenburg University, Sweden
01/06–31/07/2017
Electron-phonon coupling in graphene.

Dr. Tatiana Menshchikova

Tomsk State University, Russia
01/06–28/08/2017
Investigation of the electronic structure of topo-
logical insulators using first-principles calculations.

Prof. Oleg V. Prezhdo

University of Southern California, USA
01/06–31/08/2017
Modeling of excitation dynamics in nanoscale ma-
terials using time-domain density functional the-
ory and advanced techniques

Dr. Igor Rusinov

Tomsk State University, Russia
01/06–28/08/2017
Investigation of the Weyl semimetal, topologically
non trivial systems using first-principles and model
calculations.

Prof. Juan Faustino Aguilera Granja

UASLP, Universidad Autónoma San Luis Potosí,
México
03/06–04/08/2017
Electronic and structural properties of two dimen-
sional systems and cobaltocenos.

Prof. Talat Shahnaz Rahman

University of Central Florida, Orlando, Florida, USA
03/06–01/07/2017
Theoretical and computational investigation of
chemical reactivity, electrical transport, and multi-
ple excitations, and ultrafast processes in func-
tional 2D materials.

Prof. Maria Angeles Hernandez Vozmediano

Instituto de Ciencia de Materiales (CSIC), Madrid,
Spain
08/06–08/07/2017
Topological matter.

Prof. Alfredo Correa

Lawrence Livermore National Laboratory,
California, USA
12/06–15/07/2017
Electron dynamics.

Prof. Miguel Angel Cazalilla Gutierrez

National Tsing Hua University, Taiwan
15/06–15/09/2017
Spintronics at interfaces and 2D materials.

Wen Wan

Xiamen University, Fujian, China
15/06–15/09/2017
Growth of 2D materials by MBE and electronic
characterization by STM/STS.

Dr. Maxim Kharitonov

Würzburg University, Germany
16/06–31/07/2017
Topological superconductivity.

Prof. Pavel Jelínek

Institute of Physics, Czech Academy of Sciences,
Prague, Czech Republic
19/06–30/07/2017
Molecular nanostructures on surfaces.

Prof. Arthur Ernst

Institut für Theoretische Physik,
Johannes Kepler Universität, Linz, Austria
01/07–31/07/2017
Magnetism in topological insulators.

Prof. Francisco José García Vidal

Universidad Autónoma de Madrid, Spain
01/07–31/08/2017
Quantum plasmonics.

Prof. Francisco Guinea López

Imdea Nanociencia, Madrid, Spain
01/07–31/07/2017
Condensed matter theory.

Prof. Nikolay Kabachnik

Institute of Nuclear Physics,
Moscow State University, Russia
01/07–30/09/2017
Study of Auger processes in gases and at solid
surfaces within an attosecond streaking scheme.

Dr. Ziya Aliyev

Azerbaijan State Oil and Industry University, Baku, Azerbaijan
06/07–30/09/2017
Material physics of topological insulators.

Prof. Luis Martin Moreno

Instituto de Física de Materiales de Aragón, Universidad de Zaragoza, Zaragoza, Spain
07/07–06/08/2017
Theory on nanophotonics.

Dr. Sergey Eremeev

Institute of Strength Physics and Materials Science, Tomsk, Russia
08/07–07/09/2017
Electronic structure of topological insulators.

Prof. Jorge Kohanoff

Queen's University Belfast, School of Mathematics and Physics, Belfast, UK
08/07–18/08/2017
Dynamical simulation of irradiation processes.

Carmelo Nim

Università degli Studi di Pisa, Italy
10/07–10/08/2017
Analysis of density functionals from the study of intracule functions.

Prof. Bogdan Andrei Bernevig

Princeton University, New Jersey, USA
01/08–31/08/2017
Topological matter: classification and design.

Prof. Vito Despoja

University of Zagreb, Croatia
01/08–30/09/2017
Plasmons in quasi two dimensional crystals.

Dr. Andrey Kuznetsov

Tomsk State University, Russia
01/08–31/08/2017
Investigation of the electronic structure of topological insulators using first-principles calculations.

Prof. Vladimir Kuznetsov

Tomsk State University, Russia
01/08–31/08/2017
Investigation of the electronic structure of topological insulators using first-principles calculations.

Prof. Vladimir Menshov

National Research Centre, Kurchatov Institute, Moscow, Russia
07/08–31/10/2017
QAHE in heterostructures topological insulator / magnetic normal insulator.

Prof. Pedro De Andrés

Instituto de Ciencia de Materiales (CSIC), Madrid, Spain
01/09–30/09/2017
Lifetime of image states in thin films.

Prof. Ceferino Lopez Fernandez

Instituto de Ciencia de Materiales (CSIC), Madrid, Spain
01/09–30/09/2017
Disorder photonics.

Dr. Rubén Miguel Ochoa de Zuazola

Hitachi Cambridge Laboratory, University of Cambridge, England
01/09/2017
Skyrmions.

Sebastian Pawel Sitkiewicz

Universidad de Valencia, Spain
01/09–30/09/2017
Development of density functions for the calculation of nonlinear optical properties.

Mohammed Sabri Gamal Mohammed

Sudan University of Science and Technology, Sudan
04/09–31/10/2017
Functional materials synthesized by surface-supported chemistry under vacuum.

Prof. Amand Lucas

University of Namur, Belgium
11/09–31/10/2017
Surface physics. Book writing

Dr. Marco Evangelisti Crespo

CSIC, Instituto de Ciencia de Materiales de Aragón, Universidad de Zaragoza, Spain
16/09–31/10/2017
Molecular magnetism.

Prof. Joseph Richard Manson

Clemson University, Clemson, South Carolina, USA
20/09–10/11/2017
Electron-phonon interaction at surfaces.

Ifeanyi John Onuorah

University of Parma, Italia
20/09–20/10/2017
Anharmonic effects for muon studies

Haritz Garai Marin

Universidad del País Vasco/Euskal Herriko Unibertsitatea, Leioa, Spain
01/10–14/11/2017
Relaxation of electronic states of magnetic adatoms at surfaces considering numerical renormalization group (NRG).

Dr. Igor V. Silkin

Tomsk State University, Russia
16/10–15/12/2017
Topological insulators.

Dr. Jorge Luis Hita

Universidad Autónoma de Madrid, Spain
22/10–22/12/2017
Dipolar interactions between nanoparticles induced by random electromagnetic fields.

Prof. Yury Koroteev

Institute of Strength Physics and Materials Science, Siberian Branch of Russian Academy of Sciences, Russia
23/10–23/12/2017
Topological insulators.

Prof. Julio A. Alonso Martín

Universidad de Valladolid, Spain
01/11–30/11/2017
Interaction of hydrogen with metallic nanoparticles.

Prof. Alexander Protogenov

Institute of Applied Physics, Russian Academy of Sciences, Nizhnii Novgorod, Russia
01/11–30/11/2017
Landau damping of collective excitations in Dirac materials.

Prof. Luis Alberto Montero Cabrera

Universidad de La Habana, Cuba
12/11–22/12/2017
Understanding singlet fission as a photonic enhancing effect.

Dr. Chunli Huang

National Tsing Hua University, Hsinchu City, Taiwan
23/11/2017–23/01/2018
Spintronics of low-dimensional materials and interfaces.

Reece Roberts

Macquarie University, New South Wales, Australia
11/12/2017–11/01/2018
Levitation of nanodiamonds.

Short visits

Prof. Raffaele Resta

Università di Trieste, Trieste, Italy
02/01–21/01/2017, 05/02–18/02/2017
Geometry and topology in electronic structure.

Prof. Godfrey Gumbs

Hunter College, City University of New York, USA
06/01–27/01/2017
Electronic properties of black phosphorus in perpendicular electric and magnetic fields.

Julie Baumard

LOMA and Université de Bordeaux, France
09/01–13/01/2017
Spin, charge and heat transport in superconducting nanostructures with generic spin fields.

Dr. Jerome Cayssol

Université Bordeaux, LOMA, France
09/01–11/01/2017
Quantum transport in excitonic condensates.

Prof. Lawrence Glasser

Clarkson University, New York, USA
15/01–21/01/2017
Second order exchange energy of graphene.

Diego Romero Abujetas

Instituto de Estructura de la Materia, IEM-CSIC, Madrid, Spain
16/01–27/01/2017, 19/06–08/07/2017, 11/12–22/12/2017
Theory of light scattering in nano-structured highly refractive media.

Dr. Zhi Jun Wang

Princeton University, New Jersey, USA
16/01–05/02/2017
Topologically ordered phases of matter.

Prof. Alexander Khaetskii

University at Buffalo, SUNY, New York, USA
18/01–22/01/2017
Stimulated phonon emission at the nanoscale.

Dr. Oliver Gröning

EMPA, Switzerland
23/01–26/01/2017
On-surface synthesis and properties characterization of novel low-dimensional materials.

Dr. José Ignacio Latorre

Universidad de Barcelona, Spain
25/01–26/01/2017
History of physics: the Manhattan project.

Prof. Pawel Rejmak

Institute of Physics, Polish Academy of Sciences, Warsaw, Poland
01/02–15/02/2017
Computational studies on cement materials.

Dr. Sergio Monturet Caamaño

EIT Raw Materials, Bordeaux, France
02/02–04/02/2017
EIT as a financial source for collaboration among industry and research groups.

Prof. Francisco Javier Muñoz Saez

Universidad de Chile, Santiago, Chile
05/02–24/02/2017
Topological materials.

Prof. Felipe Pinheiro

Federal University of Rio de Janeiro, Brazil and Optoelectronics Research Centre, Southampton, England
05/02–08/02/2017
Natural optical activity in disordered media.

Jorge Luis Hita

Universidad Autónoma de Madrid, Spain
09/02–03/03/2017
Theoretical analysis of optical binding induced by random field fluctuations.

Dr. Barry Bradlyn

Princeton University, New Jersey, USA
11/02–19/02/2017, 10/07–08/08/2017
Topological quantum chemistry.

Quentin Schaeffer

Laboratoire Ondes et Matière d'Aquitaine (LOMA) Université de Bordeaux et CNRS, Talence, France
13/02–17/02/2017, 30/05–02/06/2017, 13/11–14/11/2017
Dynamical aspects of quantum transport in nanoelectronics.

Jennifer Cano

Princeton University, New Jersey, USA
14/02–01/03/2017
Topological materials.

Prof. Juan Luis Mañes

Facultad de Ciencia y Tecnología, Leioa, Spain
17/02–17/02/2017
Weyl fermions from crystal symmetry.

Prof. Giorgio Benedek

Università di Milano-Bicocca, Milano, Italy
20/02–26/02/2017, 06/10–14/10/2017
Surface phonons and phase transitions.

Prof. Jakub Zakrzewski

Uniwersytet Jagiellonski, Krakow, Poland
20/02–20/02/2017
Ultracold gases in shaken optical lattices.

Prof. Salvador Miret Artes

CSIC, Instituto de Física Fundamental, Madrid, Spain
21/02–23/02/2017, 08/10–12/10/2017
Theory of surface diffusion.

Johannes Falke

TU Dresden, Germany
26/02–03/03/2017
Interplay of crystal electric field states with spin-polarized surface states in heavy-fermion materials.

Prof. Tomasz Sowinski

Quantum Optics Group, Institute of Physics of the Polish Academy of Sciences, Warsaw, Poland
01/03–02/03/2017
Dipolar molecules in optical lattices.

María Blanco De Paz

CSIC, Instituto de Física Fundamental, Madrid, Spain
02/03–04/03/2017
Spin orbit interactions in photonic systems.

Prof. Román Orús Lacort

Johannes Gutenberg-Universität Mainz, Germany
05/03–01/04/2017
Quantum many body systems and quantum information.

Prof. Vladimir Menshov
National Research Centre, Kurchatov Institute,
Moscow, Russia
07/03–05/04/2017
QAHE in heterostructures topological insulator /
magnetic normal insulator.

Dr. Paula Natalia Abufager
Instituto de Física Rosario-CONICET, Argentina
12/03–08/04/2017
Electronic properties at the nanoscale.

Prof. François Lagugné-Labarthe
Western University, London, Ontario, Canada
16/03–16/03/2017
Enabling sensing technology with plasmonics.

Dr. Marco Evangelisti Crespo
CSIC, Instituto de Ciencia de Materiales de
Aragón, Universidad de Zaragoza, Spain
23/03–24/03/2017
Molecular magnetism.

Sabine Auras
Universiteit Leiden, Netherlands
26/03–14/04/2017
Statistical analysis of terrace width distributions on
curved crystals.

Prof. Bo Hellsing
Göteborgs Universitet, Sweden
27/03–06/04/2017
Electron-phonon coupling in graphene.

Dr. Federica Giulia Lo Verso
Syddansk Universitet, Odense, Denmark
27/03–31/03/2017
Computer simulations of nanogels.

Prof. Juan Faustino Aguilera Granja
UASLP, Universidad Autónoma San Luis Potosí,
México
02/04–30/04/2017, 11/12–06/01/2018
Electronic and structural properties of two
dimensional systems.

Prof. Miguel Angel Martín Delgado Alcántara
Universidad Complutense de Madrid, Spain
05/04–09/04/2017
Topological codes in quantum information;
topological order in spin systems.

Prof. Thomas Weitz
LMU Munich, Germany
05/04–07/04/2017
Charge transport in organic nanoscopic systems:
From organic semiconductors to 2d layered
materials.

Dr. Shigeki Kawai
MANA, Tsukuba, Japan
10/04–14/04/2017
X-ray photoemission from graphene nanoribbons
grown by on-surface reactions.

Dr. Raúl Angulo
Centro de Estudios de Física del Cosmos de
Aragón, CEFCA, Teruel, Spain
24/04–27/04/2017
Numerical simulations in cosmology.

Rishav Harsh
Université Paris-Diderot, Laboratoire Matériaux et
Phénomènes Quantiques, Paris, France
26/04–05/05/2017

Donor-acceptor molecular assemblies on
graphene/SiC(0001).

Dr. Miztli Yopez
Universidad Metropolitana Iztapalapa, México
29/04–08/05/2017
Theoretical work on multiple scattering of light.

Prof. Christoph Rossel
IBM Research, Zurich, Switzerland and
European Physical Society
03/05–07/05/2017
From nanoscale systems to neuromorphic
computing.

Prof. Yaroslav Pavlyukh
Institut für Physik, Martin-Luther-Universität
Halle-Wittenberg, Germany
07/05–11/05/2017
Cumulant expansions in MBPT_LCAO.

Prof. Chris Exley
The Birchall Centre, Lennard-Jones Laboratories,
Keele University, Staffordshire, UK
08/05–12/05/2017
Aluminium in biological systems.

Johannes Knörzer
MPI für Quantenoptik (MPQ), Garching, Germany
08/05–13/05/2017
Acoustic lattice for electrons.

Dr. Martin Schütz
Harvard University, Massachusetts, USA
08/05–13/05/2017
Acoustic lattice for electrons.

Dr. Benjamin Wieder
Princeton University, New Jersey, USA
08/05–26/05/2017, 12/07–31/07/2017
Basic research exploring new frontiers in quantum
condensed matter physics and physical chemistry.

Prof. Thierry Martin
Centre de Physique Théorique (CPT),
Université Aix-Marseille, France
10/05–13/05/2017
Electronic quantum optics.

Prof. Dilgam Taghiyev
Institute of Catalysis and Inorganic Chemistry,
Azerbaijan National Academy of Sciences, Baku,
Azerbaijan
23/05–30/05/2017
Advanced materials for spintronics and quantum
computing (AMSQC).

Dr. Magdalena Marganska-Lyzniak
Universität Regensburg, Germany
24/05–29/05/2017, 12/11–26/11/2017
Topological invariants and boundary states in
normal and superconducting carbon nanotubes.

Dr. Remi Avriller
CNRS Laboratoire Ondes et Matière d'Aquitaine
(LOMA) Université de Bordeaux et CNRS,
Talence, France
31/05–02/06/2017
Dynamical aspects of quantum transport in nano-
electronics.

Tatiana Woller
VUB, Vrije Universiteit Brussel, Belgium
03/06–15/06/2017
Aromaticity and delocalization in expanded
porphyrins.

Prof. Toru Hirahara
Tokyo Institute of Technology, Tokyo, Japan
04/06–07/06/2017
Topological insulators: magnetism and quantum
anomalous hall effect.

Dr. Ian Osborne
Science Magazine
05/06/2017

Dr. Alberto Cortijo Fernandez
Instituto de Ciencia de Materiales, CSIC, Madrid,
Spain
07/06–08/06/2017
Unconventional magnetotransport in Weyl
semimetal.

Prof. Bernhard Urbaszek
CNRS Toulouse University, France
09/06–10/06/2017
Optical properties of 2D semiconductors in van
der Waals heterostructures.

Prof. Damien Thompson
University of Limerick, Ireland
12/06–16/06/2017
Can nanoscale computer simulations aid the
rational design of new materials?

Prof. Andrew Gellman
Carnegie Mellon University, Pennsylvania, USA
14/06–15/06/2017
Fabrication of spherical crystals.

Prof. Richard M. Martin
University of Illinois, Palo Alto, USA
14/06–05/07/2017
Electronic structure of solids, especially topological
insulators.

Prof. Dietrich Menzel

Technische Universität München, Garching and
Fritz-Haber-Institut der Max-Planck-Gesellschaft,
Berlin, Germany
18/06–25/06/2017
Ultrafast charge transfer at surfaces.

Prof. Jaroslav Fabian

University of Regensburg, Germany
22/06–24/06/2017
Spin-orbit and exchange proximity effects in 2d
materials.

Prof. Gabriel Molina Terriza

Macquarie University, Sydney, Australia
22/06–01/07/2017
Quantum nanophotonics.

Lorenzo Monacelli

Università di Roma La Sapienza, Italy
26/06–24/07/2017
Anharmonic effects in solids.

Prof. Vladimir Chaldyshev

Ioffe Physico-Technical Institute, Russian Academy
of Science, St. Petersburg, Russia
01/07–12/07/2017
Plasmonic properties of metal nanoparticles in
semiconducting materials.

Prof. Justin W. Wells

Norwegian University of Science and Technology
(NTNU), Trondheim, Norway
03/07–07/07/2017
Electron-phonon coupling in graphene.

Dr. Andrés Anca Couce

Graz University of Technology, Austria
06/07–08/07/2017
Biomass pyrolysis to produce biochar.

Dr. Miguel Martinez Canales

The University of Edinburgh, UK
06/07–01/08/2017
Dirac fermions in boron halide
monolayers. Martensitic transformations in the al-
kali metals. High pressure phases in the noble
metals.

Prof. Javier Garcia de Abajo

ICFO-Instituto de Ciencias Fotonicas, Castelldefels,
Barcelona, Spain
08/07–23/07/2017
Theoretical aspects of the interaction of light with
nanostructures.

Rodrigo Humberto Aguilera Del Toro

Universidad de Valladolid, Spain
09/07/2014–14/07/2017
Electronic properties of clusters.

Dr. Masaki Tezuka

Kyoto University, Japan
10/07–18/07/2017
Dynamics of low-dimensional strongly-correlated
systems.

Shaffique Adam

Yale-NUS College, Singapore
14/07–15/07/2017
The role of electron-electron interactions in
graphene.

Prof. Ming-Chiang Chung

National Chung-Hsing University, Taichung, Taiwan
14/07–31/07/2017
Dynamics of strongly correlated and topological
systems.

Dr. Massimo Rontani

Cnr-Nano, Modena, Italy
17/07–18/07/2017
Carbon nanotubes as excitonic insulators.

Prof. Dmitry Usachov

Saint Petersburg State University, Russia
17/07–27/07/2017
Synthesis, structural properties and magnetism of
novel graphene-based materials.

Prof. Alexander Golubov

University of Twente, Netherlands
18/07–25/07/2017
Topological superconductivity.

Prof. Fabien Bruneval

Service de Recherche en Métallurgie Physique,
Gif-sur-Yvette, France
19/07–21/07/2017
Vertex corrections in MBPT_LCAO.

Dr. Jennifer Cano

Princeton University, New Jersey, USA
23/07–05/08/2017
Topological materials.

Dr. Markus Ternes

Max Planck Institut für Festkörperforschung,
Stuttgart, Germany
24/07–24/07/2017
Magnetism at the nanoscale: engineering spin and
correlations with an atomically precise probe.

Dr. Eric Bousquet

University of Liege, Belgique
28/07–02/08/2017
Strong correlated electrons

Prof. Elizabeth Pabón Gelves

Universidad Nacional de Colombia, Sede Medellín,
Medellín-Antioquia, Colombia
31/07–12/08/2017
Polymers and soft matter.

Dr. Adolfo G. Grushin

UC Berkeley / Néel Institute, University of Califor-
nia, USA
13/08–30/08/2017
Photogalvanic effect in chiral Weyl semimetals.

Dr. Francisco J. Terán

iMdea Nanociencia y Unidad Asociada al Centro
Nacional de Biotecnología-CSIC, Madrid, Spain
28/08–28/08/2017
Probing the interaction of magnetic nanoparticles
with biological entities by magnetic means.

Anna Oelsch

Johannes Kepler University, Linz, Austria
01/09–27/09/2017
Scanning Tunneling Microscopy, Low energy elec-
tron diffraction and photoemission experiments of
boron doped graphene (B-Gr) and boron nitrate
(BN) on curved Rhodium and Nickel substrates.

Dr. Ryoma Hayakawa

National Institute for Materials Science NIMS,
Tsukuba, Japan
03/09–05/09/2017
Vertical resonant tunneling transistors with
molecular quantum dots.

Prof. Walter Pfeiffer

University of Bielefeld, Germany
03/09–07/09/2017
Intra-atomic delays in attosecond time-resolved
solid state photoemission.

Prof. Leonardo Marusic

University of Zadar, Croatia
04/09–09/09/2017
Electronic excitations in alkali-intercalated graphene.

Dr. Oleg Dolgov

Max-Planck Institut fuer Festkoerper Physics,
Stuttgart, Germany
05/09–12/09/2017
Nature of superconducting glue and room-
temperature superconductivity.

Prof. Archie Howie

Cavendish Laboratory,
University of Cambridge, UK
05/09–19/09/2017
Comparison of photonics and fast electron
interactions for plasmonics.

Prof. Rasmita Raval

University of Liverpool, UK
05/09–30/09/2017
Experimental and theoretical investigations of
porphyrins and phthalocyanines at surfaces.

Dr. Alessandro De Martino

City, University of London, UK
09/09–17/09/2017
Integer Pseudo-spin physics.

Monika Güttler

Technische Universität Dresden,
Institut für Festkörperund Materialphysik, Dresden,
Germany
09/09–17/09/2017
Compton scattering on 4f-systems.

Susanne Schulz

Technische Universität Dresden, Germany
09/09–17/09/2017
Design of 4f materials.

Prof. Magali Benoit

CEMES, Toulouse, France
13/09–15/09/2017
Hydroxides under constraints and quantum nuclear effects.

Dr. Paola Ferrario

Universidad de Valencia, Spain
19/09–20/09/2017
Neutrino physics.

Dr. Giuseppe Foti

Institute of Physics, Czech Academy of Sciences, Czech Republic
25/09–02/10/2017
Current-induced heating and cooling dynamics in molecular junctions.

Dr. Anna Makarova

Institut für Festkörperphysik, Technische Universität Dresden, Germany
26/09–30/09/2017
Graphene and Boron nitride growth on curved surfaces.

Dr. Lucas Vazquez Besteiro

IFFS, UESTC, Chengdu / INRS-EMT, Université du Québec, Varennes, Canada
26/09–28/09/2017
Chirality and plasmon particles.

Prof. Richard Korytár

Charles University, Prague, Czech Republic
28/09–29/09/2017
Quantum size effects in molecular wires and Kondo chains.

Prof. Ondrej Krivanek

Nion R&D, Arizona State University, Arizona, USA
28/09–30/09/2017
Vibrational spectroscopy in electron microscopy.

Prof. Marijan Sunjic

University of Zagreb, Croatia
03/10–31/10/2017
Dynamical response and surface excitations in thin films.

Prof. Daniel Jaque

Universidad Autónoma de Madrid, Spain
05/10–06/10/2017
Optical forces and torques at the nanoscale: Fundamentals and bio-applications.

Dr. Anton Tamtögl

Institute of Experimental Physics, Graz University of Technology, Graz, Austria
10/10–19/10/2017
Surface diffusion and dynamics on Dirac materials.

Dr. Jonathan Bean

University of York, UK
15/10–21/10/2017
Electron transport in magnetic tunnel junctions.

Dr. Said Rahimzadeh-Kalaleh Rodriguez

AMOLF, Utrecht University, Holland
15/10–17/10/2017
Interacting photons.

Prof. Aristide Dogariu

CREOL, University of Florida, USA
21/10–20/11/2017
Optical interactions in complex media.

Prof. Juan José Gomez Cadenas

Instituto de Fisica Corpuscular CSIC-UV, Valencia, Spain
23/10–31/10/2017
Landscape without neutrinos.

Dr. Yuan Zhang

Aarhus University, Aarhus, Denmark
23/10–27/10/2017
Quantum spaser theory.

Prof. Francesc Monrabal Capilla

Texas A&M University, Texas, USA
24/10–27/10/2017
Double beta decay in neutrino physics.

Prof. Annemarie Pucci

University of Heidelberg, Germany
26/10–31/10/2017
Infrared spectroscopy.

Prof. Albert Fert

UMR CNRS Thales, Palaiseau, France
27/10–30/10/2017
Conversion between spin and charge currents at room temperature by Rashba or topological insulator interfaces and perspective for low power spintronic devices.

Dr. Emmanuel Lassalle

Institute Fresnel, Marseille, France
30/10–31/10/2017
Optical interactions in complex media.

Dr. Xavier Monnier

University of Rouen Normandy, UFR Sciences et Techniques Technopôle du Madrillet, Saint-Etienne du Rouvray, France
01/11–14/11/2017
Ultra-dense/low energy state glasses by aging nanostructured polymers.

Prof. Matteo Rizzi

Institut für Physik, Johannes Gutenberg Universität Mainz, Germany
07/11–12/11/2017
Topological insulators and quantum simulation in optical lattices.

Prof. María A. Díaz García

Universidad de Alicante, Spain
08/11–09/11/2017
Recent advances and new prospects on thin-film organic lasers.

Dr. Vladimir Zobic

Czech Academy of Sciences, Czech Technical University in Prague, Czech Republic
09/11–11/11/2017
Non-adiabatic molecular dynamics in molecular structures.

Dr. Yann Pouillon

Universidad de Santander, Spain
10/11–10/11/2017
Exact exchange and other new implementations within the SIESTA code.

Prof. Helmut Schwarz

Technische Universität Berlin, Germany
11/11–15/11/2017
The methane challenge C H Bond activation by metal oxides: theory and experiment in concert.

Dr. Fabio Pistolesi

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13/11–14/11/2017
The bistability transition induced by a strong nano-electromechanical coupling.

Prof. H. Fabio Busnengo

Instituto de Fisica Rosario (CONICET-UNR) and Facultad Ciencias Exactas, Ingeniería y Agrimensura de la Universidad Nacional de Rosario, Argentina
16/11–20/11/2017
Gas surface dynamics and reactivity.

Prof. Álvaro De Rujula

IFT UAM-CSIC Madrid and CERN, Geneva, Switzerland
16/11–19/11/2017
Einstein's errors, triumphs and misconceptions.

Alice Lay

Stanford University, California, USA
19/11–23/11/2017
In vivo application of upconverting force sensors to elucidate neuromuscular pump action in *C. elegans*.

Personnel

Prof. Kristján Leósson

Innovation Center, Iceland
20/11–22/11/2017
Art in science-science in art.

Dr. Marcelo Ciappina

ELI-Beamlines and Institute of Physics, Czech
Academy of Sciences, Czech Republic
22/11–25/11/2017
Laser-matter and solid interaction. Attosecond
physics.

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25/11–02/12/2017
Density functional theory development.

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27/11–28/11/2017
Collaboration in quantum information science.

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ICFO, Castelldefels, Barcelona, Spain
27/11–28/11/2017

Eliska Greplova

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03/12–08/12/2017
Fermionic gaussian channels.

Prof. Akio Kimura

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03/12–08/12/2017
Topological insulators.

Dr. Mao Ye

Shanghai Institute of Microsystem and Information
Technology, Chinese Academy of Sciences, China
03/12–08/12/2017
Topological insulators.

Dr. Iñigo Liberal Olleta

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05/12–05/12/2017
Light defies geometry in near-zero-index media.

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17/12–20/12/2017
Electron energy loss spectroscopy of van der
Waals heterostructures.

Dr. Pablo Lopez Tarifa

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Netherlands
17/12–20/12/2017
SIESTA development: improvements in real-time
TDDFT.

Dr. Alba Paniagua Diaz

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17/12–18/12/2017
Wavefront shaping techniques to improve the
detection of breast cancer.

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