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**Ultrafast photonics with semiconductor nanowires and plasmonic nanoantennas.**

Dr. Otto Muskens, University of Southampton, United Kingdom

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**Femtosecond time- and angle-resolved photoemission spectroscopy.**

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

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

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

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**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

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

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

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**Magneto-plasmonics of graphene.**

Dr. Alexey Kuzmenko, Université de Genève, Switzerland

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**Electronic structure of graphene.**

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

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**Guided atom optics: recent progress and applications.**

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

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**Holes confined in SiGe nanostructures.**

Dr. Vitaliy N. Golovach, CNRS Grenoble, France

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**Astronomical instrumentation: a window of opportunities.**

Dr. Javier Gorosabel Urkia

Instituto de Astrofísica de Andalucía, Granada, Spain

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

Prof. Vitali Dugaev

Martin-Luther-Universität Halle-Wittenberg, Germany

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

Dr. Maria Blanco Rey

University of Cambridge, United Kingdom

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**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

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**Internal seminar at Nanophotonics Group**

PhD Student Christos Tserkezis, University of Athens, Greece

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**Theory of Photoemission from crystals.**

Prof. Eugene Krasovskii, Universität Kiel, Germany

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

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

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

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**Spin-polarised supercurrents in artificial magnetic domain walls.**

Dr. Jason Robinson, University of Cambridge, United Kingdom

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**Cement research at University of Malaga**

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

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**Beat the heat!**

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

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**Dare to know and know how to dare.**

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

Former General Director of UNESCO

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**Natural orbital functional theory of the molecular electronic structure.**

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

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**Storage and activation of methane – ab initio approach.**

Prof. Joachim Sauer

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

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

Prof. Ivan Scheblykin, Lund University, Sweden

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**Kondo chains on metallic surfaces.**

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

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**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

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

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

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

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

and Universidad Complutense de Madrid, Spain

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**Nearly ideal dispersion on graphene onto C-face SiC.**

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

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**Connecting Fundamental Research with Application in Synthetic Chemistry**

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

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

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

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**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

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

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**A Bose-Einstein Condensate of Strongly magnetic atoms.**

Prof. Francesca Ferlaino

Institut für Experimentalphysik, Universität Innsbruck, Austria

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

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

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**Molecular modelling of cavitation in model polyethylene networks.**

Dr. Christos Tzoumanekas,

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

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

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

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

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**Surface corrugation effects in dissociation dynamics.**

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

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**Transformation optics shapes metamaterials.**

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

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**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

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Dr. Ion Errea Lope, Institut de Minéralogie et de Physique de Milieux Condensés,  
Université Pierre et Marie Curie, Paris, France

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

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

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

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

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

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Dr. Vito Despoja, University of Zagreb, Croatia

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**Will Silicene Be the Next Silicon?**

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

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

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**A Quantum processor with trapped (Rydberg) ions.**

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**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

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

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**Cement under the nanoscope.**

Prof. Roland Pellenq, MIT, Massachusetts, USA

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

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Dr. Manuela Garnica Alonso, IMDEA Nanociencia, Madrid

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**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

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**Soft x-ray spectroscopy for solar energy conversion.**

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