

# Seminars

**1 Why are insulators insulating?**

Prof. Raffaele Resta

Università di Trieste, Trieste, Italy

15/01/2016

**2 Two hot topics related to quantum critical points: Fermi surface and charge density wave**

Prof. Christoph Geibel

MPI CPFS, Dresden, Germany

18/01/2016

**3 Correlated matter: insights from new materials**

Prof. Cornelius Krellner

Goethe University Frankfurt, Germany

22/01/2016

**4 Large scale simulations of Phase change materials for data storage**

Prof. Marco Bernasconi

University of Milano-Bicocca, Milano, Italy

05/02/2016

**5 Many-body correlations in a Cu-phthalocyanine STM single molecule junction**

Dr. Andrea Donarini

Institute of Theoretical Physics, University of Regensburg, Germany

29/02/2016

6 Spintronics in low-dimensional heterostructures: a symmetry-based perspective

Dr. Marta Prada  
Department of Physics, Universität Hamburg, Germany  
15/03/2016

7 Diffusion of nanotracers in complex media

Dr. Jean Christophe Gimel  
University of Angers, France  
16/03/2016

8 Electrical excitation, manipulation, and detection, of plasmons in molecular junctions

Prof. Christian A. Nijhuis  
National University of Singapore  
21/03/2016

9 Exploring the photoemission intensity in ARPES: information beyond band structure

Prof. Friedrich Reinert  
University of Würzburg, Germany  
01/04/2016

10 Quantum interferences in bismuth nanowires based Josephson junctions: signature of topological ballistic edge states?

Dr. Helene Bouchiat  
Laboratoire de Physique des Solides, Université Paris Sud, France  
08/04/2016

11 Magnetic moment formation in metal-organic monolayers

Dr. Roland Hayn  
Aix Marseille Université, France  
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12 Spin orbit interaction in electron transport in chiral molecules

Prof. Ernesto Medina  
Instituto Venezolano de Investigaciones Científicas, Caracas, Venezuela  
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13 An hybrid model for the optical properties of molecules close to plasmonic nanoparticles

Prof. Stefano Corni  
Center S3, CNR Institute of Nanoscience, Modena, Italy  
19/04/2016

14 Weyl semimetals with synthetic gauge potentials

Dr. Michele Burrello  
Max Planck Institute of Quantum Optics, Garching, Germany  
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Dr. Federico Mazzola  
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12/05/2016

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Dr. Laurent Limot  
Institut de Physique et de Chimie des Matériaux de Strasbourg CNRS, France  
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Dr. Sara Capponi  
Cardiovascular Research Institute, University of California in San Francisco, San Francisco, USA  
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18 Analysis of dielectric spectra beyond the relaxation time.

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Prof. Simone Napolitano  
Université Libre de Bruxelles (ULB) and Laboratory of Polymer and Soft Matter Dynamics, Faculté des Sciences, Belgique  
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19 Finding and tuning electronic "set screws" in molecular magnets and phosphorescent complexes

Dr. Daniel Wegner  
Radboud Universiteit Nijmegen, Institute for Molecules and Materials, Nijmegen, Netherlands  
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Prof. Amy Catanzano  
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Prof. Peter Saalfrank  
Institut für Chemie, Universität Postdam, Postdam-Golm, Germany  
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Dr. Ferran Feixas  
Universitat de Girona, Spain  
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Prof. Juan Luis Suarez Sanchez de León  
CulturePlex Lab at Western University, Ontario, Canada  
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Dr. Daijiro Nozaki  
University of Paderborn, Germany  
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Prof. Wolfgang Paul  
Institut für Physik, Martin Luther Universität Halle-Wittenberg, Germany  
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Dr. Martin Zeppenfeld  
Max-Planck Institut fuer Quantenoptik (MPQ), Garching, Germany  
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University of Würzburg, Germany  
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Macquarie University, Sydney, Australia  
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Prof. Angela Camacho  
Universidad de los Andes, Bogotá, Colombia  
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Prof. Oleg Prezhdo  
University of Southern California, Los Angeles, California, USA  
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Dr. Fernando de Juan Sanz  
IMDEA Nanociencia, Madrid, Spain  
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Prof. Jorge Kohanoff  
Atomistic Simulation Centre, School of Mathematics and Physics, Queen's University Belfast,  
Northern Ireland, UK  
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Prof. Harald Brune  
Institute of Physics, EPFL, Switzerland  
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Dr. Akshay Rao  
Cavendish Laboratory, University of Cambridge, UK  
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Prof. Theodore Einstein  
University of Maryland, USA  
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Prof. Paul D. Bristowe  
University of Cambridge, Cambridge, UK  
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Prof. Thomas A. Klar  
Institute of Applied Physics, Johannes Kepler University Linz, Austria  
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Dr. Andreas Schnyder  
Max Planck Institute for Solid State Research, Stuttgart, Germany  
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Dr. Leslie Schoop  
Max Planck Institute for Solid State Research, Stuttgart, Germany  
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Prof. Javier Gil Sevillano

TECNUN, Universidad de Navarra, Donostia / San Sebastián, Spain

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Dr. Alexander Fedorov

Universität zu Köln and IFW Dresden, Germany and St Petersburg State University, Russia

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Dr. Barry Bradlyn

Princeton University, New Jersey, USA

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National Institute of Materials Science, Tsukuba, Japan

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Prof. Arno Rauschenbeutel

Institute of Atomic and Subatomic Physics, Vienna University of Technology, Austria

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Dr. Ming-Hao Liu

Institut fuer Theoretische Physik, Universitaet Regensburg, Germany

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Tokyo Institute of Technology, Tokyo, Japan

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Prof. Sang Hyun Oh

University of Minnesota, USA

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Prof. Pier A. Mello

Instituto de Física, Universidad Nacional Autónoma de México, (UNAM), México

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Prof. Pier A. Mello

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Prof. Ursula Keller (ETH Zurich)

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Prof. Anastassia N. Alexandrova

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