

NANO OPTICS Seminar SS2015

Institute of Applied Physics, Abbe Center of Photonics, Friedrich-Schiller-Universität Jena
Version: 27.11.2015 – regular updates at www.iap.uni-jena.de/NANOseminar

- 08.04.2015**
Wednesday
Semi-classical approach to nonlocal plasmonic response: Hydrodynamics (ASP guest professor talk)
Asger MORTENSEN - Technical University of Denmark - DTU
13:30, seminar room IAP
- 14.04.2015**
Tuesday
Integrated plasmonic metadevices on dielectric waveguides
Rui GUO – Australian National University
11:00, seminar room IAP
Semi-classical approach to nonlocal plasmonic response: Extended approaches (ASP guest professor talk)
Asger MORTENSEN - Technical University of Denmark - DTU
14:30, seminar room IAP
- 16.04.2015**
Thursday
Simulation of Airy surface plasmons using MEEP
Amit V. SINGH
10:00, seminar room IAP
- 21.04.2015**
Tuesday
PEEM investigation of plasmonic nanoantennas
Thomas KAISER
11:00, seminar room IAP
Graphene plasmonics (& beyond) (ASP guest professor talk)
Asger MORTENSEN - Technical University of Denmark - DTU
14:30, seminar room IAP
- 23.04.2015**
Thursday
Metamaterial design concepts based on a 4x4 S-matrix formalism
Jan SPERRHAKE
10:00, seminar room IAP
- 27.04.2015**
Monday
Possibilities of mapping a local (near) vector field: E_x , E_y and E_z
Norik JANUNTS
12:30, seminar room IAP
- 30.04.2015**
Thursday
Chiral metamaterials - status of recent projects, tools & perspectives
Christoph MENZEL
10:00, seminar room IAP
Quantum plasmonics in metallic nanostructures (ASP guest professor talk)
Asger MORTENSEN - Technical University of Denmark - DTU
13:00, seminar room IAP
- 05.05.2015**
Tuesday
Atomic layers of Molybdenum disulfide – a new material for nonlinear nanooptics
Frank SETZPFANDT
11:00, seminar room IAP
- 07.05.2015**
Thursday
Aspects of scientific programming
Matthias ZILK
10:00, seminar room IAP
- 11.05.2015**
Monday
On Moiré magnifiers
Stefan FASOLD
13:30, seminar room IAP
- 19.05.2015**
Tuesday
Modal expansion in leaky systems
Sina SARA VI
11:00, seminar room IAP

- 28.05.2015**
Thursday
Pulse characterization as a generalized fitting problem and its implementation with a pulse shaper
Nils BECKER
10:00, seminar room IAP
- 02.06.2015**
Tuesday
Plasmonic waveguide modes – Dual-SNOM investigations, FDTD calculations & an analytical model
Angela KLEIN
11:00, seminar room IAP
- 09.06.2015**
Tuesday
Lithium niobate photonic crystals
S everine DIZIAIN
10:00, seminar room IAP
- 11.06.2015**
Thursday
Characterization of microdisc resonators (research labwork report)
Arstan BISIANOV
Plasmonic tip based optical setup for investigating intensities of transversal and longitudinal components of focused beam (internship report)
Andrej KRZIC
10:00, seminar room IAP
- 16.06.2015**
Tuesday
New nanostructure technologies with focused ion beam
Michael STEINERT
Conference wrap-up CLEO
Frank SETZPFANDT and Thomas KAISER
10:00, seminar room IAP
- 18.06.2015**
Thursday
Quantum-classical analogies in nonlinear frequency conversion
Andrey SUKHORUKOV – Australian National University
10:00, seminar room IAP
- 19.06.2015**
Friday
Nonlinear dielectric metasurfaces & oligomers: harmonics generation and all-optical switching
Maxim SHCHERBAKOV – Moscow State University
10:30, seminar room IAP
- 30.06.2015**
Tuesday
Dual SNOM for characterization of nanowires
Najmeh ABBASIRAD
11:00, seminar room IAP
- 02.07.2015**
Thursday
Theoretical analysis on waveguide-integrated spectroscopy enhanced by plasmonic nano-particles (Master thesis defense)
Xiaohan WANG
10:00, seminar room IAP
- 07.07.2015**
Tuesday
Conference wrap-up SPP7 (International conference on Surface Plasmon Photonics)
Norik JANUNTS
11:00, seminar room IAP
- 14.07.2015**
Tuesday
Characterization of second-harmonic generation in monolayers of MoS₂ (internship report)
Paul HARRISON
11:00, seminar room IAP
- 16.07.2015**
Thursday
Writing single mode waveguides in GLS glass
Romina DIENER
10:00, seminar room IAP

- 28.07.2015**
Tuesday **Highly confined gap plasmon polaritons in periodically perforated metal-insulator-metal layers**
Goran ISIC – Institute of Physics, Belgrade
11:00, seminar room IAP
- 18.08.2015**
Tuesday **Relaxation time mapping of single quantum dots and substrate background fluorescence**
Ekaterina PSHENAY-SEVERIN
11:00, seminar room IAP
- 20.08.2015**
Thursday **Fiber-integrated electro-absorption modulator (presentation for application for PhD position)**
Dennis ARSLAN – Leibniz Institute of Photonic Technology, Jena
10:30, seminar room IAP
- 25.08.2015**
Tuesday **Investigation of properties of nano-antennas (presentation for application for PhD position)**
Levon YEGHIARZARYAN – Karlsruhe School of Optics and Photonics & Nanyang & Technological University (NTU), Singapore
11:00, seminar room IAP
- 27.08.2015**
Thursday **The field enhancement and optical sensing in dielectric structures (presentation for application for PhD position)**
Aleksandr VASKIN – Institute for Theoretical and Applied Electromagnetics of the Russian Academy of Science (ITAE RAS)
10:30, seminar room IAP
- 01.09.2015**
Tuesday **Parametric frequency conversion in nanostructured waveguides – Master thesis defense**
Rafael QUINTERO
15:00, seminar room IAP
- 17.09.2015**
Thursday **Investigation of the mode structure in organic microcavities with patterned metallic and dielectric layers**
Franz LÖCHNER
10:00, seminar room IAP
- 24.09.2015**
Thursday **Spontaneous parametric downconversion in LiNbO₃ waveguides (internship presentation)**
Pawan KUMAR
10:30, seminar room IAP
- 29.09.2015**
Tuesday **UV laser sintering of Zinc oxide nanoparticle thin-films investigated by micro-photoluminescence**
Lukas HELMBRECHT – University of Duisburg-Essen
11:00, seminar room IAP

The seminar room of the Institute of Applied Physics is located at in the new part of the institute building in the first floor Campus Beutenberg, Albert-Einstein-Strasse 15, 07745 Jena. External guests: please ring at the secretary's office from the main entrance to the institute (phone 47800). The Carl Zeiss seminar room of the Fraunhofer Institute Jena is located at Campus Beutenberg, Albert-Einstein-Strasse 7, 07745 Jena. For further information please contact T. Pertsch (thomas.pertsch@uni-jena.de, +49 3641 947840).