

# NANO OPTICS Seminar SS2016

Institute of Applied Physics, Abbe Center of Photonics, Friedrich-Schiller-Universität Jena  
Version: 30.09.2016 – regular updates at [www.iap.uni-jena.de/NANOseminar](http://www.iap.uni-jena.de/NANOseminar)

- 04.04.2016**      **Semiconductor excitations coupled to metamaterials**  
**Monday**      *Igal BRENER – Sandia National Laboratories & CINT, Albuquerque, USA*  
15:00, seminar room 1 ACP (ASP guest professor lecture)
- 11.04.2016**      **Solid-state lighting and III-nitride semiconductors**  
**Monday**      *Igal BRENER – Sandia National Laboratories & CINT, Albuquerque, USA*  
15:00, seminar room 1 ACP (ASP guest professor lecture)
- 11.04.2016**      **THz science and technology and THz metamaterials**  
**Wednesday**      *Igal BRENER – Sandia National Laboratories & CINT, Albuquerque, USA*  
15:00, auditorium ACP (ASP guest professor lecture)
- 03.05.2016**      **Large-area plasmonic perfect absorber and its application as hydrogen sensor**  
**Tuesday**      *Ramon WALTER – University of Stuttgart*  
10:00, seminar room 1 ACP
- 10.05.2016**      **Second-harmonic generation in Molybdenum disulfide monolayers coupled to resonant plasmonic nanoantennas**  
**Tuesday**      *Franz LÖCHNER*  
10:00, seminar room 1 ACP
- 17.05.2016**      **Optical characterization of Silicon by electronic measurements**  
**Tuesday**      *Philip PASTRIK – Institute of Solid State Physics, FSU Jena*  
11:00, seminar room 1 ACP
- 18.05.2016**      **Photon wavepacket shaping**  
**Wednesday**      *Pawan KUMAR*  
10:30, seminar room 1 ACP
- 27.05.2016**      **Optical requirements for high resolution headlights (Master thesis defense)**  
**Friday**      *Jose Roberto VARGAS RIVERO (external Master thesis at Audi AG)*  
14:30, seminar room 1 ACP
- 31.05.2016**      **Electrically-driven plasmon resonances in nanostructures**  
**Tuesday**      *Andre DATHE – Leibniz Institute of Photonic Technology Jena*  
10:00, seminar room 1 ACP
- 13.06.2016**      **Integration of MoS<sub>2</sub> monolayers with dielectric nanoantennas**  
**Monday**      *Tobias BUCHER*  
13:30, seminar room 1 ACP
- 17.06.2016**      **Quasi-linearly polarized hybrid modes in circular aperture SNOM tips**  
**Friday**      *Bayarjargal NARANTSATSRALT*  
10:00, seminar room 1 ACP
- 21.06.2016**      **How loss effects slow light SHG**  
**Tuesday**      *Sina SARAVI*  
**All-optical isolator**  
*Yasmine ALIKACEM - Université Laval, Canada*  
10:00, seminar room 1 ACP
- 22.06.2016**      **Characterization of a circular optical nanoantenna under pulsed excitation**  
**Wednesday**      *Amit SINGH*  
16:30, seminar room 1 ACP

- 27.06.2016**  
**Monday**  
**High operating-bandwidth aperiodically poled lithium niobate directional couplers and polarization-dependent asymmetric lithium niobate adiabatic couplers**  
*Yen-Hung CHEN – National Central University, Taiwan*  
14:30, seminar room 1 ACP
- 27.06.2016**  
**Monday**  
**Tailoring light fields with silicon Hygens metasurfaces**  
*Isabelle STAUDE*  
17:15, lecture hall 1, Abbeanum
- 28.06.2016**  
**Tuesday**  
**Applying metasurface design to specific technological challenges**  
*Jan SPERRHAKE*  
10:00, seminar room 1 ACP
- 12.07.2016**  
**Tuesday**  
**From FIB to FEM: Simulating realistic thin film solar cells with JCMSuite**  
*Matthias ZILK*  
**Probing of focused beams with metallic tips (research labwork presentation)**  
*Mohammadreza YOUNESI*  
14:00, seminar room 1 ACP
- 19.07.2016**  
**Tuesday**  
**Back-focal plane imaging of emission from semiconductor nanoantennas**  
*Aleksandr VASKIN*  
14:00, seminar room 1 ACP
- 21.07.2016**  
**Thursday**  
**Design of enhanced nano-antennas by modal methods**  
*Thomas KAISER*  
10:00, seminar room 1 ACP
- 09.08.2016**  
**Tuesday**  
**Direct-laser writing of piezoelectric 3D nanostructures**  
*Jürgen SAUTTER – Karlsruhe Institute of Technology*  
10:00, seminar room 1 ACP
- 11.08.2016**  
**Thursday**  
**Towards dielectric photonic nanosurfaces with tailored disorder**  
*Dennis ARSLAN*  
10:00, auditorium ACP
- 11.08.2016**  
**Thursday**  
**Laser induced stresses and structural changes of Gallium Lanthanum Sulfide due to ultrafast laser writing**  
*Romina DIENER*  
14:00, auditorium ACP
- 12.08.2016**  
**Friday**  
**Micro and nanostructured lithium niobate for integrated nonlinear optics**  
*Reinhard GEISS*  
10:00, auditorium ACP
- 16.08.2016**  
**Tuesday**  
**Extending the capabilities of dual SNOM measurements by a fully integrated digital SPM controller**  
*Najmeh ABBASIRAD*  
10:00, seminar room 1 ACP
- 23.08.2016**  
**Tuesday**  
**Split-step pulse propagation using the chirp Z-transform**  
*Nils BECKER*  
10:00, seminar room 1 ACP
- 25.08.2016**  
**Thursday**  
**Nanoimaging by plasmonic Moire magnification**  
*Stefan FASOLD*  
10:00, seminar room 1 ACP

- 01.09.2016**      **Optical resonances in rolled-up microtube cavities**  
**Thursday**      ***Libo MA – Institute for Integrative Nanoscience, Dresden***  
10:00, seminar room 1 ACP
- 06.09.2016**      **Plasmonics for engineering nanoscale light matter interactions**  
**Tuesday**      ***Jer-Shing HUANG – National Tsing Hua University, Taiwan***  
15:00, auditorium ACP
- 13.09.2016**      **Investigation of photonic nanostructures by photoemission electron**  
**Tuesday**      **microscopy (PEEM)**  
***Matthias FALKNER***  
14:45, seminar room 1 ACP
- 15.09.2016**      **Fabrication, resonances and photoluminescence of single-crystalline**  
**Thursday**      **gold nanoantennas**  
***Jer-Shing HUANG – National Tsing Hua University, Taiwan***  
15:00, seminar room 1 ACP
- 21.09.2016**      **Plasmonic optical nanocircuits**  
**Wednesday**      ***Jer-Shing HUANG – National Tsing Hua University, Taiwan***  
15:15, lecture hall Abbe-Zentrum Beutenberg

The seminar rooms and auditorium of the Abbe Center of Photonics are located in the foyer area in the ground floor of the building, Campus Beutenberg, Albert-Einstein-Straße 6, 07745 Jena.

The Carl Zeiss seminar room of the Fraunhofer Institute Jena is located at Campus Beutenberg, Albert-Einstein-Straße 7, 07745 Jena.

The seminar room of the Institute of Applied Physics is located at in the yellow 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).

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