

# NANO OPTICS Seminar WS2015/16

Institute of Applied Physics, Abbe Center of Photonics, Friedrich-Schiller-Universität Jena  
Version: 11.03.2016 – regular updates at [www.iap.uni-jena.de/NANOseminar](http://www.iap.uni-jena.de/NANOseminar)

- 13.10.2015**  
**Tuesday**      **Study of the flicker fusion threshold for scanning laser headlights (internship report for project at Audi AG)**  
*Jose VARGAS*  
11:00, seminar room IAP
- 21.10.2015**  
**Wednesday**      **Plasmonic response of sub-10 nm metal particles**  
*N. Asger MORTENSEN – Technical University of Denmark*  
15:00, seminar room IAP
- 22.10.2015**  
**Thursday**      **Analytical Modelling of L-shaped metaatom arrays – foundations for an efficient optimization of the optical response of stacked metasurfaces (intermediate master project presentation)**  
*Arstan BISANOV*  
13:00, seminar room IAP
- 15.10.2015**  
**Friday**      **Adaptive pulse measurement using a pulse shaper (Master thesis defense)**  
*Nils BECKER*  
15:00, seminar room IAP
- 08.12.2015**  
**Tuesday**      **Development of an FTIR spectrometer for the characterization of photonic nanostructures (B.Sc. presentation)**  
*Friedrich MÖLLER*  
11:00, seminar room IAP
- 15.12.2015**  
**Tuesday**      **Comparison of propagation models for ultrashort pulses (B.Sc. presentation)**  
*Sönke ZIEMER*  
11:00, seminar room IAP
- 16.12.2015**  
**Wednesday**      **Far-field confocal micro-spectrometer setups operating at visible and near-infrared spectral ranges with a possibility of angle-resolved measurements (internship presentation)**  
*Olga RUSYAKINA*  
11:00, seminar room IAP
- Setup for measuring angle-resolved backscattering from a plasmonic tip (internship presentation)**  
*Mohammadreza YOUNESI*  
11:30, seminar room IAP
- 17.12.2015**  
**Thursday**      **Description of hybrid optical nanosystems: Quantum emitters coupled to optical nanoantennas**  
*Evgenia RUSAK – Karlsruhe Institute of Technology*  
14:00, seminar room IAP
- 12.01.2016**  
**Tuesday**      **Analytical modeling of complex nanostructures for engineering of optical properties of multilayer systems (M.Sc. defense)**  
*Arstan BISANOV*  
11:00, seminar room IAP
- 15.02.2016**  
**Monday**      **Surface domain engineering in lithium niobate**  
*Jakob Badru STANICKI*  
14:00, seminar room IAP
- 16.02.2016**  
**Tuesday**      **Is Python the better Matlab?**  
*Nils BECKER*  
11:00, seminar room IAP

- 23.02.2016**      **High brightness photonic crystal microchip laser**  
**Tuesday**        ***Kestutis STALIUNAS - Universitat Politècnica de Catalunya, Spain***  
11:00, seminar room IAP
- 17.03.2016**      **Numerical study of nano-particle light scattering for the enhancement**  
**Thursday**        **of second harmonic generation in MoS<sub>2</sub>**  
***Paul HARRISON***  
11:00, seminar room ACP
- 22.03.2016**      **Second harmonic generation in Lithiumniobate nanostructures**  
**Tuesday**        ***Johannes WILDE***  
13:00, seminar room ACP

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. The seminar room of the Abbe Center of Photonics is located in the foyer area in the ground floor of the building, Campus Beutenberg, Albert-Einstein-Strasse 6, 07745 Jena. For further information please contact T. Pertsch (thomas.pertsch@uni-jena.de, +49 3641 947840).