

NANO & QUANTUM OPTICS Seminar

Summer Semester 2018

Institute of Applied Physics, Abbe Center of Photonics, Friedrich Schiller University Jena

Version: 31.09.2018 – regular updates at www.iap.uni-jena.de/NANO+QUANTUM+seminar

- 19.03.2018** **Meta-optics and all-dielectric Mie-resonant nanophotonics**
Monday *Yuri KIVSHAR – Australian National University, Canberra*
14:00, seminar room 1 ACP
- 10.04.2018** **Controlling light at the nanoscale with novel nanoantennas**
Tuesday *Pablo ALBELLA – University of Las Palmas de Gran Canaria, Spain*
10:30, seminar room 1 ACP
- 17.04.2018** **Manipulation of electric and magnetic dipole emission from Eu^{3+} with Silicon nanodisk arrays**
Tuesday *Aleksandr VASKIN*
10:30, seminar room 1 ACP
- Implementation of multimode storage in an optical quantum memory (intermediate master report)**
 Lukas HELLER – ICFO Barcelona, Spain
 13:00, seminar room 1 ACP
- 19.04.2018** **Exploring and exploiting symmetry breaking measures**
Thursday *Ivan FERNANDEZ-CORBATON – Karlsruhe Institute of Technology*
10:30, Carl Zeiss seminar room of the Fraunhofer Institute IOF
- 20.04.2018** **Quantum and nonlocal electrodynamic in plasmonic nanostructures**
Friday *N. Asger MORTENSEN – University of Southern Denmark*
10:30, auditorium ACP
- 03.05.2018** **Excitation and superfocusing of the radially polarized conical Surface plasmon polaritons**
Thursday *Bayarjargal NARANTSATSRALT*
10:00, seminar room 2 ACP
- 03.05.2018** **High-end nanooptics**
Thursday *Bert HECHT – University Würzburg*
14:00, seminar room 1 ACP
- 25.05.2018** **Overview on Les Houches winter school on fluorescence markers for advanced microscopy**
Friday *Bayarjargal NARANTSATSRALT*
10:15, auditorium ACP
- 12.06.2018** **Coherent photon-phonon interactions**
Tuesday *Birgit STILLER – University of Sydney, Australia*
09:30, seminar room 1 ACP
- 19.06.2018** **Wide-angle broadband AR coatings applied with gradient layer systems**
Tuesday *Heiko KNOPF*
10:30, seminar room 1 ACP
- 20.06.2018** **High-Q quantum source from a bright-bright Fano resonant dielectric metasurface**
Wednesday *Matthew PARRY – Australian National University, Canberra*
13:00, seminar room 1 ACP

- 26.06.2018** **Shaping and imaging quantum light with metasurfaces**
Tuesday *Andrey SUKHORUKOV – Australian National University, Canberra*
10:30, seminar room 1 ACP
- 27.06.2018** **Synthetic multi-dimensional photonic lattices and novel manifestations**
Wednesday *Kai WANG – Australian National University, Canberra*
13:00, seminar room 1 ACP
- 09.07.2018** **Quantum optics on a nonlinear chip**
Monday *Alexander SOLNTSEV – University of Technology Sydney, Australia*
Experimental observation of Akhmediev breathers in film waveguides
Roland SCHIEK – University of Applied Science Regensburg
13:00, Carl Zeiss seminar room of Fraunhofer Institute IOF
- 17.07.2018** **Nonlinear AlGaAs nanoantennas and metasurfaces**
Tuesday *Dragomir NESHEV – Australian National University, Canberra*
10:30, seminar room 1 ACP
Hexagonal Boron Nitride nanophotonics
Igor AHARONOVICH – University of Technology Sydney (UTS)
13:00, seminar room 1 ACP
- 20.07.2018** **Resonant photonic metasurfaces with strong and weak substrate interactions -**
Friday **Master thesis defense**
Denizhan SIRMACI
14:00, seminar room 1 ACP
- 30.07.2018** **Individual 2D materials, vertical 2D material hetero-structures and beyond**
Monday *Shih-Yen LIM – Academia Sinica, Taiwan*
10:30, seminar room 1 ACP
- 14.08.2018** **Können polar gebundene Oberflächenladungen die Eiskeimbildung verhindern?**
Tuesday *Ute BERGMANN & Phil GOLDBERG – Technische Universität Dresden*
10:00, meeting room 306 ACP
- 16.08.2018** **Quantum emitters for sensing and imaging**
Thursday *Mehran KIANINIA – University of Technology Sydney*
13:00, seminar room 1 ACP
- 20.08.2018** **Enhancing electro-optical effects with nanostructures- spectroscopy, optical data**
Monday **storage, photovoltaics**
Christin DAVID – IMDEA Nanoscience, Madrid
14:00, seminar room 1 ACP
- 22.08.2018** **Mid-Infrared photonic devices for stellar interferometry – doctoral defense**
Wednesday *Romina DIENER*
15:00, lecture hall 2, Helmholtzweg 5
- 27.08.2018** **Next-generation single-photon sources in two-dimensional hexagonal boron nitride**
Monday **for space applications**
Tobias VOGL – Australian National University, Canberra
13:00, seminar room 1 ACP
Indications of spontaneous parametric down conversion from monolayer MoS₂
Hatef DINPARASTI SALEH – Heriot Watt University, Edinburgh
15:30, seminar room 1 ACP

- 04.09.2018** **Circuit QED with qubits**
Tuesday *Denys KARPOV – Institute for Low Temperature Physics and Engineering, Kharkov, Ukraine and
Leibniz Institute of Photonic Technology, Jena*
10:30, seminar room 1 ACP
- 06.09.2018** **Monolithic AlGaAs-on-insulator platform for second order nonlinear nanophotonics**
Thursday *Valerio GILI – Université Paris Diderot, France*
10:30, seminar room 1 ACP
- 25.09.2018** **Shape from color: towards femtosecond 3D measurements of surfaces**
Tuesday *Meritxell CABREJO*
13:30, seminar room 1 ACP
- 27.09.2018** **Characterization of Au/Fe/Au and Au/Co/Au magneto-plasmonic nanostructures with
the aim of sensing ethanol vapor**
Thursday *Mina AFSHARNIA*
13:30, Carl Zeiss seminar room, Fraunhofer IOF

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 meeting rooms are located in the upper floors of the Abbe Center of Photonics according to the first digit of their number. External guests should take the public staircase from the foyer area and ring the bell at the individual doors to the meeting areas or call the secretary's office from the phones at the building's entrances (dial 47562).

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. For further information, please contact the organizers of the seminar: Falk Eilenberger (falk.eilenberger@uni-jena.de, +49 3641 947990), Thomas Pertsch (thomas.pertsch@uni-jena.de, +49 3641 947560), Frank Setzpfandt (f.setzpfandt@uni-jena.de, +49 3641 947569), or Isabelle Staude (isabelle.staude@uni-jena.de, +49 3641 947566).