

NANO OPTICS Seminar SS2012

Institute of Applied Physics, Friedrich-Schiller-Universität Jena

Version: 18.09.2012 – regular updates at www.iap.uni-jena.de/NANOseminar

- 11.04.2012** **Characterization of nano-particle size and orientation using auto-correlation analysis of electron microscopy images**
Wednesday
Thomas WEIB, Universität Bielefeld
13:00 pm, seminar room IAP
- 16.04.2012** **Nonlinear image conversion and amplification of meta-holograms**
Monday
Nils BECKER
09:30 am, meeting room IAP
- 23.04.2012** **2D Metrology of refractive power by transmission methods**
Monday
Maritza TANGARIFE ORTIZ
13:00 pm, meeting room IAP
- 27.04.2012** **Slow light in Lithium Niobate photonic crystal waveguides**
Friday
Sina SARAVI
16:00 pm, seminar room IAP
- 10.05.2012** **The smallest nonlinear nanomaterials for bioimaging applications**
Thursday
Eugene KIM
13:30 pm, seminar room IAP
- 11.05.2012** **Ultrafast nano-optics with optical antennas**
Friday
Markus RASCHKE, University of Colorado at Boulder
15:00 pm, lecture hall 1, Max-Wien-Platz 1
- 21.05.2012** **Optimization of light trapping in black silicon nanostructures & Conference wrap-up SPIE Photonics Europe**
Monday
Matthias KROLL
13:30 pm, seminar room IAP
- 24.05.2012** **Nanoparticle detection method based on modulation of lateral position**
Thursday
Dimitry SIVUN
Stabilization and testing of phase-resolved fiber-based scanning near-field optical microscope
Miguel SISON
10:00 am, seminar room IAP
- Resonant propagation in plasmonic nanostructure waveguides**
Thomas KAISER
13:30 pm, seminar room IAP
- 30.05.2012** **Measuring the dependence of photo electron spectra on the phase using phase tagging**
Wednesday
Stefan FASOLD
Conference wrap-up SPIE Photonics Europe
Matthias KROLL
Conference wrap-up CLEO
Falk EILENBERGER
14:00 pm, seminar room IAP
- 31.05.2012** **Lifetime imaging instrument for single molecules**
Thursday
Norik JANUNTS
14:30 pm, seminar room IAP
- 01.06.2012** **Imaging cross-correlator FROG**
Friday
Alex BROWN
15:00 pm, seminar room IAP

- 04.06.2012** **A route to true-color metamaterial holograms**
Monday ***Benny WALTHER***
13:30 pm, seminar room IAP
- 07.06.2012** **Discrete beam combiners: progress report**
Thursday ***Stefano MINARDI***
13:30 pm, seminar room IAP
- 11.06.2012** **Preparation of plasmonic carpets for multiplex sensing**
Monday ***Andrea STEINBÜCK***
13:30 pm, seminar room IAP
- 14.06.2012** **Resonant excitation of conical surface plasmon polaritons**
Thursday ***Bayarjargal NARANTSATSRALT***
13:30 pm, seminar room IAP
- 18.06.2012** **Nearfield optical observations of Plasmonic waveguiding by double-tip SNOM**
Monday ***Angela KLEIN***
16:00 pm, seminar room IAP
- 21.06.2012** **Dual objective scanning confocal microscope and applications**
Thursday ***Dimitry SIVUN***
Full far-field optical spectroscopic investigation of gold nanoparticles chain
Xiaolong WANG
13:30 pm, seminar room IAP
- 09.07.2012** **Lithium niobate photonic crystals**
Monday ***Séverine DIZIAIN***
Preparation, synthesis, and simulations of core-shell KNbO₃-Au nanowires
Jessica RICHTER
13:30 pm, seminar room IAP
- 12.07.2012** **Spatio-temporal spectral imaging setup**
Thursday ***Karin PRATER***
13:30 pm, seminar room IAP
- 16.07.2012** **Binary plasmonic waveguide arrays: energy localization, modulational stability and gap solitons in a gapless system**
Monday ***Costantino DE ANGELIS, University of Brescia, Italy***
LEGO at the nanoscale: different ways to build nanostructures
Andrei SUSHA, City University of Hong Kong
13:00 pm, seminar room IAP
- 18.07.2012** **Modeling of broadband optical pulse propagation in quadratic media**
Wednesday ***Costantino DE ANGELIS, University of Brescia, Italy***
14:00 pm, seminar room IAP
- 19.07.2012** **Nano-plasmonics with gain: from light localisation to ultrafast nano-lasing**
Thursday ***Ortwin HESS, Imperial College London***
13:30 pm, seminar room IAP
- 23.07.2012** **Measurement of nonlinear dynamics in plasmonic nanostructures**
Monday ***Jörg REINHOLD***
13:30 pm, seminar room IAP

- 24.07.2012**
Tuesday
Secondary SPPs generated by nanohole and measurement of probe oscillation amplitude of SNOM
Miguel SISON
Mitigation of spectral hole burning in all-optical fiber communication networks
Svyatoslav KHARITONOV
13:00 pm, seminar room IAP
- 25.07.2012**
Wednesday
Micro and nano optical materials and their use in optical applications,- past results and current problems
Jörg PETSCHULAT – Carl Zeiss AG, Jena
12:00-13:00 pm, seminar room IAP
- 26.07.2012**
Thursday
Nonlinear frozen light
Falk EILENBERGER
13:30 pm, seminar room IAP
- 09.08.2012**
Thursday
Spectral shaping and self-referencing of ultrafast pulses
Kévin LE CALVEZ
Bulk photovoltaic effect in LiNbO₃ nanowires
Sophie CHEVALLIEZ
13:30 pm, seminar room IAP
- 10.08.2012**
Friday
The most amazing Complex Ellipsometric Spectrometer (CES) ever
Matthias FALKNER
13:30 pm, seminar room IAP
- 28.08.2012**
Tuesday
Nonlinear quantum photonics: the generation and manipulation of single photons
Alex S. CLARK, CUDOS - University of Sydney
10:30 am, seminar room IAP
- 28.08.2012**
Tuesday
Double-tip SNOM measurements on plasmonic waveguides
Angela KLEIN
16:00 am, seminar room IAP
- 28.08.2012**
Tuesday
Double-tip SNOM measurements on plasmonic waveguides
Angela KLEIN
16:00 am, seminar room IAP
- 11.09.2012**
Tuesday
Gain, noise figure and spectral hole burning in Erbium doped fiber amplifiers
Roman KISELEV
13:30 pm, seminar room IAP
- 13.09.2012**
Thursday
Thin film ferroelectric-based photonic devices for detection and measurement from DC to THz
Sri SRIRAM, SRICO Inc., Columbus, USA
14:30 pm, seminar room IAP
- 26.09.2012**
Wednesday
Analyse wellenleitender plasmonischer Strukturen mit Hilfe der Fourier Modal Method
Ralf PEUKER
10:30 am, seminar room IAP
- 27.09.2012**
Thursday
From electrical mode switching in metamaterials to plasmonic control of QD emission
Manuel DECKER – Australian National University, Canberra
10:30 am, seminar room IAP

28.09.2012 Vortex light bullets

Friday

Karin PRATER

9:30 am, seminar room IAP

TBA

Lithium niobate L3 photonic crystal cavities by combining FIB and IBEE

Reinhard GEISS

13:30 pm, 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).