

POSTER PRESENTATIONS

The Role of Relativistic Effects on Plasmonic Properties of Gold-silver Nanosystems // Narges Asadi-Aghbolaghi (Tehran)

Colloidal (-less) Based Lithography Methods for Fabrication of Plasmonic Nanostructures // Pavla Běrešová (Prague)

Wavelength-dependent Surface Plasmon Polariton Propagation in a Single Nanowire Waveguide // Dorota Buczyńska (Warsaw)

Optical Properties of Submillimeter Silver Nanowires Obtained Using Hydrothermal Method // Michal Cwik (Warsaw)

Diffusion and Surface Charge of Nanoparticles Obtained by an ABELtrap // Andre Dathe (Jena)

Plasmon Induced Decomposition Kinetics of Brominated Nucleobases on Silver Nanoparticle Surface // Anushree Dutta (Potsdam)

Plasmon Enhanced Fluorescence on Mass Produced Biosensor Chips // Stefan Fossati (Wien)

LSPR based Detection of Biomolecules and Pathogens in Single Assay and Microarray Format // Stephan Kastner (Jena)

DNA Based Optical Nano-sensor for Hazardous Molecules Detection // Sarabjeet Kaur (Troyes)

Unraveling Protein Dynamics and Interactions with Single Plasmonic Gold Nanoparticles // Katja Krüger (Potsdam)

Towards the Description of Hybrid Organic-inorganic Nanosystems: Simulating Dyemetal Interactions and Optical Properties // Jacopo Marcheselli (Trieste)

Synthesis and Controlled Assembly of Janus Gold-Silica Plasmonic Particles // Umberto Martino (Paris)

Hybridization Chain Reaction in LSPR Based Biosensing for the Detection of MicroRNAs // Andrea Miti (Bologna)

A Origami Forks for Single Molecule SERS // Amr Mostafa (Potsdam)

3D Printed – Open source – Plasmonic-biosensors // Philipp Müller (Jena)

Fabrication of Dual-mode Core-shell Microparticles for Raman and Photoacoustic Imaging // Daniil Nozdriukhin (St. Petersburg)

Semicylindrical Whispering Gallery Mode Microresonator for Biosensing // Henrik Parsamyan (Yerewan)

Plasmonic Properties of Nanoparticles and Nanofluids for Effective Absorption of Solar Radiation // Victor Pustovalov (Minsk)

DNA-based Detection of Human Pathogen Water Contaminants // Cornelia Reuter

Salt-assisted Biofunctionalization Protocol for the Ligand Exchange of CTAC-capped AuCubes // Nicole Slesiona

Biocompatible Nanostars for SERS Detection // Ana Spedalieri (Berlin)

Silver Island Paths as Printed Plasmonic Biosensor // Karolina Sulowska (Torun)

Calligraphed Plasmonic Lines on Paper Operating as a Miniaturized Portable Biosensing Device // Laurentiu Susu (Cluj-Napoca)

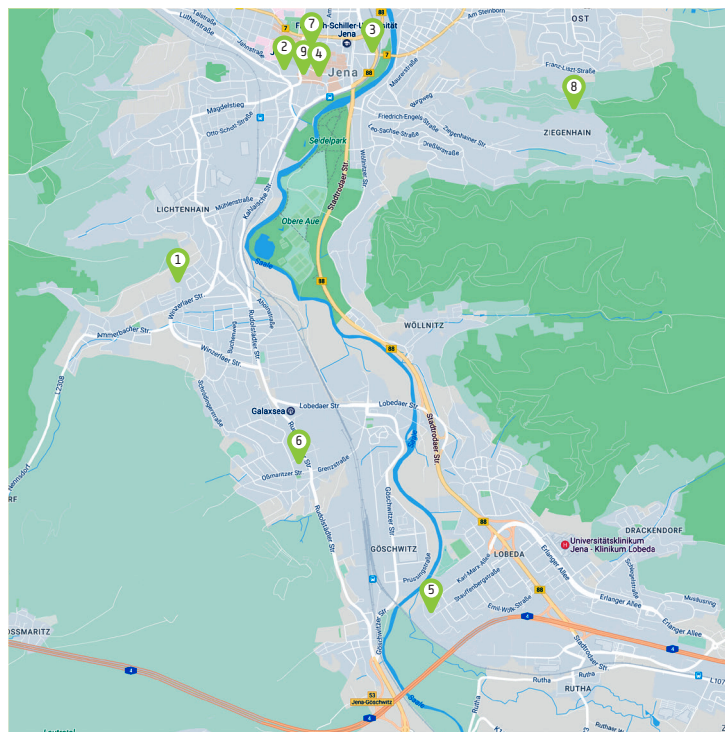
Insights into Nanoparticle-protein Interactions by SERS // Gergo Szekeres (Berlin)

DNA-origami as Functional Nanodevices // Kosti Tapio (Potsdam)

Characterization of Lipids in Living Cells and Model Systems by SERS // Vesna Zivanovic (Berlin)

LOCATION

- 1 Leibniz-IPHT, Campus Beutenberg
- 2 Hotel Steigenberger Esplanade
- 3 Hotel Schwarzer Bär
- 4 Hotel Ibis
- 5 Hotel Maxx
- 6 Hotel Best Western
- 7 Scala Restaurant, Intershop Tower
- 8 Fuchsturm
- 9 Bus No.10, 11, 12



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MOLECULAR PLASMONICS 2019

MAY 23 – MAY 25, 2019

Leibniz IPHT // Campus Beutenberg // Jena

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PROGRAM

THURSDAY, MAY 23, 2019

Leibniz IPHT, Campus Beutenberg

Bus no. 10, 11, 12

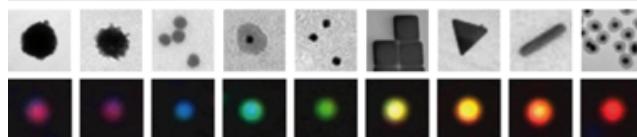
12:00 Workshop "DNA Mitteldeutschland" //
With Thuringian Barbecue

13:00 Start Presentations

17:00 END OF THE WORKSHOP

Scala Restaurant, Downtown

19:00 Molecular Plasmonics 2019 //
Get Together



Workshop

FRIDAY, MAY 24, 2019

Leibniz IPHT, Campus Beutenberg

Bus no. 10, 11, 12

9:00 Excited States at Metal-Semiconductor Interfaces
Carrier Transport and Selective Photoelectrocatalysis //
Harry Atwater (Caltec)

Thermoplasmonic Hydrogels Revealing Shape-Memory,
Self-Healing, Controlled Drug Release and Light-
Triggered Mechanical Properties //
Itamar Willner (Jerusalem)

Macromolecular Gates on Plasmonic Nanopores //
Andreas Dahlin (Chalmers)

10:20 COFFEE BREAK

11:00 Bioanalytical Applications
Development and Application of a Plasmonic Microarray
for Multiplexed DNA Detection //
David Zopf (Jena)

A label-free SERS and LSPR Accessible Nanoaptasensor
for Mycotoxin Screening Test //
Betty Galarreta (Lima)

Real-time Monitoring of Protein Bioconjugate Formation //
Joanna Niedziółka-Jönsson (Warsaw)

Optical Printing of Gold, Silver and Silicon Colloidal
Nanoparticles //
Fernando Stefani (Buenos Aires)

12:40 Poster Pitch Talks & Poster Session

13:00 LUNCH & POSTER SESSION

14:00 Hot Electrons & Thermal Effects
Utilizing Plasmonic hot Electrons for Bridging Top-down
and Bottom-up Nanofabrication and for Sub-wavelength
Absorption //
Stefan Maier (Munich)

Multiwavelength Plasmon Mediated Surface
Functionalization //
Issam Kherbouche (Paris)

Kinetics of hot Electron Induced Reactions on Gold
Nanoparticles //
Robin Schürmann (Potsdam)

Chair: Wolfgang Fritzsche

Chair: Itamar Willner

Chair: Andreas Dahlin

Chair: Andreas Dahlin

Single Gold Nanoparticle-heating-induced Glow
Generation and Trapping //
Shuichi Hashimoto (Tokushima)

Gold Nanoparticles for the Photo(thermal) Enhancement
of Therapeutic Strategies //
Pedro Baptista (Lisbon)

16:05 COFFEE BREAK & POSTER SESSION

18:00 Excursion & Dinner (Fuchsturm)

SATURDAY, MAY 25, 2019

Leibniz IPHT, Campus Beutenberg

Bus no. 10 departs downtown at 8:35 a.m.

9:00 Plasmonic Enhancement
Shape-controlled Nanoparticle SERS Platforms for Tracking
of Chemical Reactions and Solid-Gas Interactions //
Xing Yi Ling (Nanyang)

Plasmonic Enhancement of Hyper Raman Scattering by
Gold Nanostructures //
Fani Madzharova (Berlin)

Strong Coupling of Molecular Vibrational Resonances in
a Metal-clad Microcavity Below Cut-off //
Kishan Menghrajani (Exeter)

Effect of Stokes Shift on Polariton Dynamics //
Jussi Toppari (Jyväskylä)

10:40 COFFEE BREAK

11:15 Plasmonic Sensors
Manipulating the Excitation and Emission of Single Molecules
Coupled to Optical Antennas Assembled with DNA Origami //
Guillermo Acuna (Fribourg)

Optical Response of Magnetoplasmonic Nanodisks and
New Schemes for MOSPR Sensors //
Cesar Herrero-Fierro (Bogota)

Optical Detection of Viruses with Silver Nanowires //
Justyna Grzelak (Torun)

Advanced Functionalities in Subwavelength Photonic
and Plasmonic Structures //
Ivan Richter (Prague)

Chair: Shuichi Hashimoto

Chair: Jussi Toppari

12:55 END OF THE SESSIONS & LUNCH