NFO-11

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11th International Conference on Near-field Optics, Nanophotonics & Related Techniques

Peking University, Beijing, China Aug 29-Sept 2, 2010

PLENARY LECTURES

Dieter Pohl

~30 Years of Near-field Optics
（Basel University）

Martin Moskovits

Surface Enhanced Raman and Plasmonics as Near Field Phenomena
（University of California, Santa Barbara）

INVITED TALKS

Volker Deckert	Reproducibility of tip-enhanced Raman scattering (TERS) results	(University of Jena)
Lukas M. Eng	Superlensing with low loss oxide-based perovskites	(Institut für Angewandte Photophysik, TU Dresden)
Ulrich C. Fischer	Surface enhanced fluorescence near-field microscopy of a photosynthetic membrane	(University Münster)
J. M. Gerton	Energy transfer between a single quantum rod and a carbon nanotube	(University of Utah)
Jean-Jacques Greffet	Optical patch antennas for single photon emission	(Institut d´Optique Graduate School, Palaiseau)
Bert Hecht	Mode imaging and selection in strongly coupled nanoantennas	(University of Würzburg)
Rainer Hillenbrand	IR and THz near-field nanoscopy	(CIC nanoGUNE Consolider)
Minghui Hong	Laser fabrication of large-area meta-materials and near-field optics for terahertz wave enhancement and Detection	(National University of Singapore)
Hirokazu Hori	Experimental and theoretical studies on fundamental processes and hierarchical properties of nano-optoelectronics systems	(University of Yamanashi)
Serge Huant	Launching surface plasmons with a nanodiamond-based optical tip: towards scanning quantum plasmonics	(Institut Néel, CNRS & Université Joseph Fourier)
Satoshi Kawata	Near-field scanning Raman microscopy in deep UV	(Osaka University)
Ole Keller	Pilot-wave theory for photons: near-field aspects	(Aalborg University)
DaiSik Kim	Near dield xontrol of terahertz tansmission based on VO_2 phase transition	(Seoul National University)
Christoph Lienau	Ultrafast nano-optics: applications in materials science	(Max Born Institute Berlin)
Aiqun Liu	Micro-opto-fluidic systems (MOFS) and its	(Nanyang Technological University)
Boris Luk'yanchuk	Optical Fano resonance in nanostructures with broken symmetry	(Data Storage Institute of Singapore)
Oliver J.F. Martin	Optical trapping in the near-field of plasmonic nanostructures	(Swiss Federal Institute of Technology Lausanne)
Alfred J. Meixner	Nanometer scale spectroscopic imaging of organic semiconductor films by plasmon-polariton coupling	(University of Tübingen)
Peter Nordlander	Fano resonances in plasmonic nanostructures	(Rice University)
Ann Roberts	Plasmonic lens for three-dimensional wavefield control	(The University of Melbourne)
James Schuck	Non-perturbative visualization of nanoscale plasmonic field distributions via photon localization microscopy	(Lawrence Berkeley National Lab)
Zhongqun Tian	SHINERS and TERS with various nanostructures for surface science and molecular electronics	(Xiamen University)
Pavel Tománek	Local optical characterization of tantalum capacitors breakdowns	(Brno University of Technology)
Din Ping Tsai	Near-field optical interaction of plasmonic photo-catalytic chemical process	(Taiwan University)
Ralf Vogelgesang	Recent advances in real-space imaging of nanoplasmonic structures	(Max-Planck-Institut für Festkörperforschung)
Jianbin Xu	Investigation of optical properties of 2-dimensional metallic arrays for sers and biomolecular detection	(The Chinese University of Hong Kong)
Xianfan Xu	Field Enhancement using high gain bowtie nano-antenna and antenna array and its engineering applications	(Purdue University)

CONFERENCE TOPICS

- Near-field optics
- Nanophotonics
- Plasmonics
- Novel instrumentation for nano-imaging
- Theory and modeling
- Quantum optics in the near-field
- Nonlinear and ultrafast phenomena
- Near-field and local field enhancement
- Photonic crystals and plasmonic structures
- Optical metamaterials
- Applications and nanophotonic devices

INTERNATIONAL ADVISORY COMMITTEE

Alain Dereux, University of Burgundy
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Olivier J.F. Martin, EPFL, Lausanne
Oscar Martínez, Universidad de Buenos Aires
Lukas Novotny, Rochester University
Motoich Ohtsu, University of Tokyo
Dieter Pohl, Basel University
Pavel Tomanek, Technical University of Brno
Din Ping Tsai, Taiwan University

TUTORIAL COURSE LECTURERS (Aug 29)

Bert Hecht, Principles of near-field optics and optical antennas (University of Würzburg)
Olivier J.F. Martin, The numerical modeling of optical nanostructures (Swiss Federal Institute of Technology Lausanne)
Volker Deckert, Practical aspects of near-field spectroscopy (University of Jena)
Javier Aizpurua, Nanoantennas in field-enhanced spectroscopy and microscopy (Center for Materials Physics CSIC-UPV/EHU)

ORGANIZATION

Xing ZHU, Peking University
Jia WANG, Tsinghua University

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