The International Conference on Nanophotonics 2010

Spaekers and Titles-1

Keynote Speakers

M. Ohtsu (University of Tokyo, Japan), "Nanophotonics: Dressed photon technology for innovative devices, fabrications and systems"

P. N. Prasad (State University of New York at Buffalo, USA), "Nanophotonics: Nanoscale control of Excitation Dynamics for New Applications in Healthcare and Energy"

Plenary Speakers

F. Capasso (Harvard University, USA), "Subwavelength photonics: from light manipulation to quantum levitation at the nanoscale"

S. Y. Chou (Princeton University, USA), "Subwavelength Photonics and Nanoimprint Technology – A Unique Path to Engineering New Optical Materials and Devices"

J. T. Fourkas (University of Maryland, USA), "Achieving super-resolution in photolithography"

T. F. Krauss (University of St. Andrews, UK), "Dispersion-engineered photonic crystal waveguides for enhanced light-matter interaction"

C. Sibilia (Universita' degli Studi di Roma La Sapienza, Italy), "Nanoscale Nonlinear Optics"

Invited Speakers

H. Chen (Tongji University, China), "Optical metamaterials based on multilayer dielectric structures"

H. V. Demir (Bilkent University, Turkey), "Green nanophotonics to combat climate change"

L. Han (National Institute for Materials Science, Japan), "Dye-sensitized Solar Cells with Nanotechnologies"

Y. Harada (Kobe University, Japan), "Emission properties of excitons strongly localized to nitrogen pairs in GaAs"

R. Heintzmann (King's college, UK), "Structured Illumination and Image Inversion Interferometry"

C. Jagadish (The Australia National University, Australia), "III-V Semiconductor Nanowires for Optoelectronics Applications"

A. V. Kabashin (Université de Méditerranée, France), "Nanoplasmonics for Biosensing"

D. S. Kim (Seoul National University, South Korea), "Active Terahertz Nanoresonators"

Spaekers and Titles-2

Y. Li (Peking University, China), "Dielectric-loaded surface plasmon-polariton nanowaveguides fabricated by two-photon polymerization"

S. Y. Lin (Rensselaer Polytechnique Institute, USA), "Architectural nanophotonics and its impact on energy conversion"

M. Lippitz (Max-Planck-Institite for Solid State Research, Germany), "Single nanoparticle detection with high-Q whispering gallery resonatorUltrafast spectroscopy of single plasmonic nanostructures: Nanoantennas for quantum emitters and nanomechanics"

O. J. F. Martin (Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland), "Controlling light at the nanoscale with plasmonic antennas: applications for sensing and trapping"

S. Matsui (University of Hyogo, Japan), "Room-temperature nanoimprint using HSQ and its applications"

H. Misawa (Hokkaido University, Japan), "Photochemistry on Nanoengineered Gold Structures"

N. Murase (National Institute of Advanced Industrial Science and Technology, Japan), "Assembled quantum dots in silica glass with bright photoluminescence"

T. Nagao (National Institute for Materials Science, Japan), "Low-dimensional plasmons in metallic atom sheets, atom chains and nano-sheets"

S. Noda (University of Kyoto, Japan), "Recent Progress of Manipulation of photons by photonic crystals"

K. Ohkawa (Tokyo University of Science, Japan), "H_2 evolution from water by GaN photocatalyst"

D. van Oosten (FOM Institute AMOLF, Netherland), "The electro-magnetic nature of light at the nanoscale"

R. Quidant (ICFO-Institut de Ciencies Fotoniques, Spain), "Plasmon Nano-optics: Harnessing light and heat at the nanoscale for Biosciences"

Y. Sakakibara (National Institute of Advanced Industrial Science and Technology, Japan), "Carbon Nanotube Nonlinear Photonics"

X. Sun (Harbin Institute of Technology, China), "Coherent control of spontaneous emission of multi-level atom in artificial micro-nanostructured system"

Y. Tachibana (University of Osaka, Japan), "Development of semiconductor quantum dot sensitized solar cells by controlling interfacial electron transfer kinetics"

H. K. Tsang (Chinese University of Hong Kong, China), "Silicon nanophotonic waveguide devices"

Spaekers and Titles-3

Y. Uehara (University of Tohoku, Japan), "Phonon detection using scanning tunneling microscope light emission spectroscopy"

Y. Xiao (Peking University, China), "Single nanoparticle detection with high-Q whispering gallery resonator"

J. Xue (University of Florida, USA), "Hybrid Photovoltaic Cells based Conjugated Polymers and CdSe Nanoparticles"

S. Yagi (The University of Tokyo, Japan), "Recent progress on high-efficiency quantum dot solar cells"

K. Yong (Pohang University of Science and Technology, South Korea), "Fabrication of heterostructured ZnO nanowires and applications: photochemical energy conversion and wettability"

Q. Zhan (University of Dayton, USA), "Spiral plasmonic lens as a miniature circular polarization analyzer"

L. Zhou (Fudan University, China), "Fractal plasmonic metamaterials for subwavelength imaging and perfect absorbing"

X. Zhu (Peking University, China), "Characterization of Plasmonic Nanostructures by Using Scanning Near-field Optical Microscopy"