

Poster Sessions

Session A: 5:00-7:00 Tuesday, August 30

Session B: 5:00-7:00 Thursday, September 1

Poster session A1: 2D Materials

A 1 - P 1

Nano-optical and nano-photocurrent characterization of WSe₂/MoSe₂ heterostructures

Thomas Darlington, Emanuil Yanev, Kevin W.C. Kwok, Xuehao Wu, Natalie Fardian-Melamed, Abhay N. Pasupathy, James C. Hone, P. James Schuck

A 1 - P 2

Ultrabroadband nanocavity of hyperbolic phonon polaritons in 1D-like α -MoO₃

Ingrid D. Barcelos, Thalita A. Canassa, Rafael A. Mayer, Flavio H. Feres, Eynara G. de Oliveira, Alem-Mar B. Goncalves, Hans A. Bechtel, Raul O. Freitas, Francisco C. B. Maia, Diego C. B. Alves

A 1 - P 3

Active Tuning of Highly Anisotropic Phonon Polaritons in Van der Waals Crystal Slabs by Gated Graphene

Gonzalo Álvarez-Pérez, Arturo González-Morán, Nathaniel Capote-Robayna, Kirill V. Voronin, Jiahua Duan, Valentyn S. Volkov, Pablo Alonso-González, and Alexey Y. Nikitin

A 1 - P 4

Twist-tunable polaritonic nanoresonators

O. G. Matveeva, A. I. F. Tresguerres-Mata, R. V. Kirtaev¹, K. V. Voronin, J. Taboada-Gutiérrez, C. Lanza-García, J. Duan, J. Martín-Sánchez, V. S. Volkov, P. Alonso-González, A. Y. Nikitin

A 1 - P 5

Super-resolved identification of nanoscale defects in low-dimensional materials by near-field photoluminescence mapping

Jiatai Huang, Benfeng Bai, Pengyi Feng, Tong Cui, and Hong-Bo Sun

A 1 - P 6

Nano-PL mapping of room-temperature strain-localized excitons in array-guided nanowrinkles

Emanuil S. Yanev, Thomas P. Darlington, Matthew Strasbourg, Nicholas J. Borys, James C. Hone, P. James Schuck

A 1 - P 7

Tip-enhanced nano-imaging and control of dark excitons in WSe₂

Kathryn Hasz, Zucheng Hu, Kyoung-Duck Park, and Markus B. Raschke

A 1 - P 8

Effects of the Dielectric Environment on the Propagation of Phonon Polaritons in Twisted Polaritonic Slabs

Aitana Tarazaga Martín-Luengo, Jiahua Duan, Christian Lanza, Javier Taboada-Gutiérrez, Gonzalo Álvarez-González, Ana Isabel F Tresguerres Mata, Javier Martín-Sánchez, Alexey Y. Nikitin, Pablo Alonso-González

A 1 - P 9

Broddingnagian photon bunching in cathodoluminescence of excitons in WS2 monolayer

Saskia Fiedler, Sergii Morozov, Leonid Iliushyn, Sergejs Boroviks, Martin Thomaschewski, Jianfang Wang, Timothy J. Booth, Nicolas Stenger, Christian Wolff, and N. Asger Mortensen

A 1 - P 10

In-situ optical tracking of memristive switching in 2D materials

Joanna Symonowicz, Giuliana Di Martino

A 1 - P 11

Orientation-Dependent Interaction between the Magnetic Plasmons in Gold Nanocups and the Excitons in WS2 Monolayer and Multilayer

Ruoqi Ai, Xinyue Xia, Jianfang Wang

Poster session A2: Biophotonics and Emerging Applications (Energy, Info, Bio)

A 2 - P 1

Imaging life at high temperature enabled by plasmonic heating

Maëlle Bénéfice, Céline Molinaro, Aurore Gorlas, Violette Da Cuna, Patrick Forterre, Guillaume Baffou

A 2 - P 2

Manipulating the fluorescence contrast in liquid-gel phases

Jia-Ru Yu, He-Chun Chou, Wei-Ssu Liao, and Chi Chen

A 2 - P 3

Imparting spectrally selective optical properties to metallic substrates through surface engineering

Sraboni Dey and J. Mitra

A 2 - P 4

Light-controlled microdroplet robot on nanophotonic substrate

Masayuki Naya, Nanami Ohhara, Akinobu Yamaguchi and Toshiharu Saiki

A 2 - P 5

Photonics in Canada

Nikki Bulgarea, Robert Coriveau

A 2 - P 6

Ultrasensitive analysis of nano-matter via scattering: from single proteins and viruses to sub-cellular features

Vahid Sandoghdar

Poster session A3: Heat at the NanoScale

A 3 - P 1

High throughput imaging of thermal conductivity and interfacial thermal conductance with nanoscale resolution

Andrea Centrone, Mingkang Wang, Georg Ramer, Vladimir Aksyuk

Poster session A4: Enhanced Spectroscopies (Fluorescence, IR, THz, Raman)

A 4 - P 1

Bloch Surface Waves for surface enhanced Mid-Infrared spectroscopy

Raffaella Polito, Agostino Occhicone, Marialilia Pea, Alberto Sinibaldi, Francesco Mattioli, Sara Cibella, Andrea Notargiacomo, Alessandro Nucara, Paolo Biagioni, Francesco Michelotti, Michele Ortolani, and Leonetta Baldassarre

A 4 - P 2

Monitoring Tautomerization of Single Hypericin Molecules in a Tunable Optical $\lambda/2$ Microcavity

Quan Liu, Liangxuan Wang, Frank Wackenhut, Marc Brecht, Pierre-Michel Adam, Johannes Gierschner, and Alfred J. Meixner

A 4 - P 3

Plasmon Enhanced High-Frequency Electron Paramagnetic Resonance - utilization of plasmonic metasurface resonators for magnetic field enhancement

Martin Hrtoň, Lorenzo Tesi, Peter Kepič, Katarína Rovenská, Dominik Bloos, Martin Konečný, Zdeněk Nováček, Vlastimil Krápek, Reiner Hillenbrandt, A. Leavesly, Joris van Slageren, and Tomáš. Šikola

A 4 - P 4

AFM-TERS measurements in liquid environment with side illumination/collection

Patrick Hsia, Pierre Burgos, Marc Chaigneau

A 4 - P 5

Molecular Stark Effect at the Nanoscale

Demeiza Wright, Sara Sangtarash, Niclas S. Mueller, Qianqi Lin, Hatef Sadeghi, Jeremy J. Baumberg

A 4 - P 6

Effect of resonant Raman term on single-molecule detection

Abdolvahab Amirsalari, Sylwester Gawinkowski

A 4 - P 7

Terahertz Spoof Surface Plasmon Polariton sensor on thin Silicon-Nitride membrane

Mohsen Haghighat, Levi Smith, Thomas Darcie

A 4 - P 8

Evaluation of SERS substrates through average and high fluctuation regimes

Arash Azarakhshi, Alexandre G. Brolo

A 4 - P 9

Monitoring metabolic alterations in cancer cells upon radiotherapy by SERS

Xiangyu Chen, Javier Plou

A 4 - P 10

Unveiling the role of chemical and electronic structure in plasmon catalysis using alkoxyamines as a chemical probe

Darya Votkina, Pavel Petunin, Andrii Trelin, Oleksiy Lyutakov, Gérard Audran, Rashid Valiev, Sylvain R. A. Marque, and Pavel Postnikov, Yusuke Yamauchi, Olga Guselnikova

Poster session A5: Metamaterials and Metasurfaces

A 5 - P 1

Near Infrared Waveguide using multilayer ITO metamaterial

Shashwata Chattopadhyay and J Mitra

A 5 - P 2

Creation of wide stopbands by loading split-ring-resonators to a terahertz guided-wave coplanar strip transmission line

Saeid Asadi, Levi Smith, Thomas Darcie

A 5 - P 3

Broadband absorber utilizing nonlocal metamaterials

Won-Heum Han, Q-Han Park

A 5 - P 4

FIB defined curved architectures toward asymmetric chiral metasurfaces

Ruhao Pan, Changzhi Gu, Junjie Li

Poster session A6: Nanoimaging

A 6 - P 1

Infrared Near-Field Spectroscopy at the National Synchrotron Light Source II

Lukas Wehmeier, Ziheng Yao, Mengkun Liu, and G. Lawrence Carr

A 6 - P 2

Near-field hyper-spectral imaging of resonant Mie modes in a dielectric island

Francesca Intonti, Nicoletta Granchi, Michele Montanari, Andrea Ristori, Mario Khoury, Mohammed Bouabdellaoui, Chiara Barri, Luca Fagiani, Massimo Gurioli, Monica Bollani, Marco Abbarchi

A 6 - P 3

Scanning near-field optical microscopy for probing vectorial optical near field with functional nanoprobe and nanopolarimetry

Benfeng Bai and Hong-Bo Sun

A 6 - P 4

Observation of the history dependence of two nano-photoisomerization pathways in photochromic single crystals

Yuji Arakawa, Kazuharu Uchiyama, Yuki Hashimoto, Kingo Uchida, Hirotsugu Suzui, Makoto Naruse, and Hirokazu Hori

A 6 - P 5

Nanoscale imaging of optical near-field distribution by detecting optical field induced force

Yuxiao Han, Benfeng Bai

A 6 - P 6

A Review of Nanoscale Chemical Imaging Applications Using Photo Induced Force Microscopy

Derek B. Nowak, Padraic O'Reilly, Sung I. Park

A 6 - P 7

Structural and Optical Identification of Planar Side-Chain Stacking P3HT Nanowires

He-Chun Chou, Chung-Kai Fang, Pei-Yun Chung, Jia-Ru Yu, Ing-Shouh Hwang, Jiun-Tai Chen, and Chi Chen

Poster session A7: Nanoplasmonics and Optical Antennas

A 7 - P 1

Fano Resonance in Non-Spectral Parametric Domains

Ankit Kumar Singh, Zhan-Hong Lin, Jer-Shing Huang

A 7 - P 2

Using Dispersive Lossy Media to Narrow Plasmon Linewidths

Ryan Peck, Ali Khademi, Juanjuan Ren, Stephen Hughes, Alex Brolo, Reuven Gordon

A 7 - P 3

Coherent control of plasmon interferences in 2D crystalline cavities for Boolean calculation

Florian Dell'Ova, Diana Shakirova, Yoann Brulé, Laureen Moreaud, Gérard Colas-Des-Francis, Erik Dujardin and Alexandre Bouhelier

A 7 - P 4

Analytic methods to study the properties of electromagnetic waves in plasmonic slot waveguides

Amrita Pati and Reuven Gordon

A 7 - P 5

Plasmonic nonlinear response from hBN nanoflakes excited with a CW laser

Mirali Seyed Shariatdoust, Michael Dobinson, Ghazal hajisalem, Reuven Gordon

A 7 - P 6

Fundamental limits and complete coupling of light into polaritons

Eduardo J. C. Dias, F. Javier García de Abajo

A 7 - P 7

Engineering circular dichroism of stretchable chiral metamaterial

Florian Lamaze, Jérémie Béal, Julien Proust, Louis Giraudet

A 7 - P 8

Exciting and mapping directional surface plasmon polaritons using automated dual-tip scanning near-field optical microscope

Najmeh Abbasirad, Angela Barreda, Michael Steinert, Yi-Ju Chen, Isabelle Staude, Jer-Shing Huang, Frank Setzpfandt and Thomas Pertsch

A 7 - P 9

Towards complete optical coupling to ultraconfined surface polaritons

Saad Abdullah, Jan Krpensky, Eduardo J. C. Dias, Vahagn Mkhitaryan, F. Javier García de Abajo

A 7 - P 10

Aluminum – Zinc Oxide hybrid nanostructures for UV emission

Thomas Simon, Sergei Kostcheev, Anna Rumyantseva, Jérémie Béal, Davy Gérard¹ and Jérôme Martin

A 7 - P 11

Fast electrical modulation of a single plasmonic nanoresonator

Luka Zurak, Jessica Meier, René Kulloock, Bert Hecht and Thorsten Feichtner

A 7 - P 12

Fractal-like multiresonant aluminum optical antennas – the Cayley Tree

Thomas Simon, Xiaoyan Li, Jérôme Martin, Dmitry Khlopin, Odile Stéphan, Mathieu Kociak and Davy Gérard

Poster session B1: Nanoplasmonics and Optical Antennas

B 1 - P 1

Fabrication of Sub 5-nm Plasmonic Nano-gap Nanostructures for Extreme Confinements of Optical Fields

Jeetendra Gour, Sebastian Beer, Stefan Nolte, Uwe Zeitner

B 1 - P 2

Geometry optimization of the magnetic Purcell factor in high index dielectric nanostructures

Y. Brûlé, P. Wiecha, A. Cuche, V. Paillard, G. Colas des Francs

B 1 - P 3

Imaging-Based Hydrogen Sensing Based on Fano-like Spatial Distribution of Transmission in a Metal-Insulator-Metal Plasmonic Doppler Grating

Yi-Ju Chen, Fan-Cheng Lin, Ankit Kumar Singh, Lei Ouyang, Jer-Shing Huang

B 1 - P 4

Chiral Scatterometry on Gold-Nanohelicoid-on-Mirror Structures

Yilin Chen, Jianfang Wang

B 1 - P 5

Towards single-molecular sensing: spatio-spectral tailoring of plasmonic modes for surface-enhanced Coherent Anti-Stokes Raman Scattering

Abhik Chakraborty, Lei Ouyang, Xiaofei Wu, Parijat Barman, Tobias Meyer-Zedler, Kel-Meng See, Wei-Liang Chen, Fan-Cheng Lin, Denis Akimov, Sadaf Ehtesabi, Martin Richter, Michael Schmitt, Yu-Ming Chang, Stefanie Gräfe, Jürgen Popp, and Jer-Shing Huang

B 1 - P 6

Deep subwavelength control of circularly polarized light by using cathodoluminescence nanoscopy

Zheyu Fang

B 1 - P 7

THz Band-stop Filter using a Bragg Grating

Seyedali Dehghanian, Levi Smith, Thomas Darcie

B 1 - P 8

Fabry-Pérot Phonon Polaritons in Boron Nitride Nanotube Resonators

Cassandra Phillips, Yi-Fang Laj, Gilbert C. Walker

B 1 - P 9

Investigating Spectrum of Double Nanoholes with Different Aperture and Gap Sizes

Behnam Khosravi, Reuven Gordon

B 1 - P 10

Digital harmonic holographic microscope for the study of nanostructures in nonlinear regime

Serena Goldmann, Samuel Grésillon, Ignacio Izeddin, Valentina Krachmalnicoff, Gilles Tessier, Yannick De Wilde

B 1 - P 11

WS2-Flake-Sandwiched, Au-Nanodisk-Enabled High-Quality Fabry–Pérot Nanoresonators for Photoluminescence Modulation

He Huang, Shasha Li, Jianfang Wang

Poster session B2: Nonlinear Optics

B 2 - P 1

Noncollinearly-aligned dimeric Au nanorods for 2nd-order NLO plasmonics

Atsushi Sugita, Shunma Oh

B 2 - P 2

Second order non-linear response from azimuthally chirped plasmonic grating

Parijat Barman, Denis Akimov, Tobias Meyer, Abhik Chakraborty, Ankit Kumar Singh, Xiaofei Wu, Michael Schmitt, Jürgen Popp, Jer-Shing Huang

Poster session B3: Novel Theoretical Approaches to Nano-optics

B 3 - P 1

Manipulating the quantum field statistics of confine infrared fields via ultrafast modulation of vibrational polaritons

Johan F. Triana, Felipe Herrera

B 3 - P 2

Analytic approach to reflection and transmission of surface polaritons

Wonjae Choi, Q-Han Park

Poster session B4: Optical Trapping and Manipulation

B 4 - P 1

Double Nanohole Optical Tweezers Study of Conformation Changes of pr65

Samuel Mathew, Ghazal Hajisalem, Elham Babaei, Michael Dobinson, Reuven Gordon, Mohsin Naqvi, Janet Kumita

B 4 - P 2

Isolating Er³⁺-Doped Nanocrystals for single photon Sources at 1550 nm

Zohreh Sharifi, Reuven Gordon

B 4 - P 3

Enantioselective optical trapping by elliptical plasmonic nanoholes

Zhan-Hong Lin, Jiwei Zhang, Ankit Kumar Singh, Xiaofei Wu, and Jer-Shing Huang

B 4 - P 4

Probing Raman active acoustic vibrations of single molecule protein: PR65

Elham Babaei, Ghazal Hajisalem, Burak Kaynak, Pemra Doruker, Mohsin M. Naqvi, Janet Kumita, Feng-Yu Wang, Jih-Hong Cheng, Che-Min Wu, Shang-Hua Yang, Ivet Bahar, Laura Itzhaki, Reuven Gordon

B 4 - P 5

Coupling between Perovskite Quantum Dots in an Plasmonic Optical Tweezer

Parinaz Moazzezi, Hao Zhang, Brett Henderson, Vishal Yeddu, Cristina Cordoba, Arthur Blackburn, Makhsud I. Saidaminov, Irina Paci and Reuven Gordon

B 4 - P 6

Nanoaperture optical fiber tweezers fabricated with a low-cost colloidal pattern transfer method

Michael Dobinson, Reuven Gordon

B 4 - P 7

Polarization dependence of double nanohole tweezers for localization and orientation

Ghazal Hajisalem, Michael Dobinson, Zohreh Sharifi, Jon Eby and Reuven Gordon

Poster session B5: Other Emerging Areas of Near-field Optics and Nanophotonics

B 5 - P 1

Breakdown of spin-to-helicity locking at the nanoscale in topological photonic crystal edge states

Sonakshi Arora, Thomas Bauer, René Barczyk, Nikhil Parrapurath, Ewold Verhagen, Kobus Kuipers

B 5 - P 2

Plasmon-excited near-field luminescence of semiconductor light sources

Vlastimil Křápek, Petr Dvořák, Lukáš Kejík, Zoltán Édes, Michal Kvapil, Michal Horák, Petr Liška, Jan Krpenský, Tomáš Šikola

B 5 - P 3

Correlative electron and optical spectroscopy of strongly-coupled mid-infrared plasmon and phonon polaritons

Pavel Gallina, Andrea Konečná, Michal Kvapil, Jiří Liška, Vlastimil Křápek, Radek Kalousek, Juan Carlos Idrobo, and Tomáš Šikola

B 5 - P 4

Far-field photonic spin texture of thermal radiation from a non-isothermal nano-antenna

Parry Y. Chen, Roy Ayash, Chinmay Khandekar, Yonatan Sivan, Z. Jacob

B 5 - P 5

Optical phase control in strongly driven infrared nanoresonators assisted by molecular vibrations

Felipe Herrera, Mauricio Arias, Johan F. Triana

B 5 - P 6

Compact 750- μ J, 75-W, sub-40-fs laser for efficient THz light sources driven by a two-color scheme

Christian Grebing, Fabian Stutzki, Sven Breitkopf, Oliver Herrfurth, Joachim Buldt, Tino Eidam and Jens Limpert

B 5 - P 7

Time-Resolved Cathodoluminescence in a TEM

S. Meuret, L. H.G. Tizei, F. Houdellier, S. Weber, Y. Auad, M. Tencé, H.-C. Chang, M. Kociak and A. Arbouet

B 5 - P 8

Slot-bridge nanobeam cavities for high Q/V ratios

Joshua Fabian, Xiruo Yan, Adan Azem, Donald Witt, Kashif Awan, Matthew Mitchell, Andreas Pfenning, Lukas Chrostowski, and Jeff F. Young

B 5 - P 9

iSCAT in Nanofluidic Channels: A Physical Model

Philippe Marc Nicollier, Armin Knoll

B 5 - P 10

iSCAT Microscopy for Imaging the Interactions of Polymer Dots with HeLa Cells

Eric Boateng, Bruno Luppi, William Primrose, Luke Melo, Zachary Hudson, and Edward Grant

B 5 - P 11

iSCAT as a high-throughput, accurate and reproducible probe of size distribution in solution-phase suspensions of cellulose nanocrystals

Hooman Tavakolizadeh, Mahfuzul Hoque, Luke Melo, Johan Foster and Edward Grant

B 5 - P 12

The Solution Transport Limit of Non-Langmuir iSCAT Adsorption

Edène Rocheron, Luke Melo, Jake Wong¹, Edward Grant

B 5 - P 13

Detection of Nanoplastics in Mixed Solutions using Interferometric Scattering Microcopy

Matthew D. Kowal, Teresa M. Seifried and Edward Grant

Poster session B6: Photochemistry

B 6 - P 1

High-throughput synthesis and characterization of compositionally-graded films

Shahram Moradi, Makhsud Saidaminov

Poster session B7: Quantitative Phase Imaging

B 7 - P 1

Defocus Phase Contrast in Photon-Induced Near-field Electron Microscopy

John H. Gaida, Hugo Lourenco-Martins, Sergey V. Yalunin, Armin Feist, Murat Sivas, Thorsten Hohage, F. Javier García de Abajo, and Claus Ropers

Poster session B8: Quantum Applications: Information Science and Sensing

B 8 - P 1

Photon pair directly produced into the guided modes of nonlinear waveguides via down-conversion

Álvaro Rodríguez Echarri, Joel D. Cox and F. Javier García de Abajo

Poster session B9: Quantum Emitters and Quantum Plasmonics

B 9 - P 1

Sizing single quantum dots in solvent using nano-tweezers

Hao Zhang, Parinaz Moazzezi, Brett Henderson, Cristina Cordoba, Arthur Blackburn, Makhsud I.Saidaminov, Irina Paci and Reuven Gordon

B 9 - P 2

Tip-Enhanced Strong Coupling (TESC): Quantum coherent control of single emitters at room temperature

Benjamin G. Whetten, Kyoung-Duck Park, Molly A. May, Matthew Pelton, and Markus B. Raschke

B 9 - P 3

FRET-mediated Collective Blinking of Self-Assembled Stacks of Semiconducting Nanoplatelets

Zakarya Ouzit, Jiawen Liu, Juan Pintor, Lilian Guillemeney, Benoît Wagnon, Benjamin Abécassis, Laurent Coolen

B 9 - P 4

A scalable route to single-photon sources at low-loss wavelengths by anchoring nanocrystals with a single Er³⁺ dopant

Adriaan L. Freuchen, Michael Dobinson, Reuven Gordon, Frank C. J. M. van Veggel

B 9 - P 5

Strong coupling dynamics and multi-photon correlations in waveguide QED using three coupled qubits

Sofia Arranz Regidor and Stephen Hughes

B 9 - P 6

Quantum Many-Body Study Of Hybrid Plasmon-Exciton Systems at the Subnanometer Scale: Influence of Electronic Orbital Coupling

Antton Babaze, Ruben Esteban, Andrei G. Borisov and Javier Aizpurua

B 9 - P 7

Electrically-pumped QD emission from single plasmonic nanoantennas

Junyang Huang, Shu Hu, Dean Kos, Jeremy J Baumberg

B 9 - P 8

Addressing the correlations of photons emitted from an ultrastrongly coupled system

Álvaro Nodar, Ruben Esteban, Unai Muniain, Javier Aizpurua, Mikołaj Kajetan Schmidt

B 9 - P 9

First-principles study of plasmon-molecule coupling and charge transfer in Ag nanoparticle dimers

Bruno Candelas, Nerea Zabala, Daniel Sánchez-Portal, Javier Aizpurua

B 9 - P 10

Quantum Surface Effects in a Plasmonic Nanoantenna-Emitter System: Time-Dependent Density Functional Theory vs. Semiclassical Approach

Antton Babaze, Eduardo Ogando, P. Elli Stamatopoulou, Christos Tserkezis, N. Asger Mortensen, Javier Aizpurua, Andrei G. Borisov, and Ruben Esteban

Poster session B10: Structural Colour

B 10 - P 1

Interference-based Wide-range Dynamic Tuning of the Plasmonic Color of Single Gold Nanoparticles

Bokusui Nakayama, Hiroki Endo, Yuki Hiruta and Toshiharu Saiki

Poster session B11: Tip Enhanced Methods

B 11 - P 1

Furthering nano-optic techniques through the simultaneous integration of heterodyned-tapping-mode AFM

Kevin W.C. Kwok, Thomas Darlington, Emanuil S. Yanev, Natalie Fardian-Melamed, Benedikt Ursprung, James C. Hone, P. James Schuck

B 11 - P 2

ULF TERS imaging –a novel technique for assessing the layer interaction in vertical heterostructures of 2D semiconductors

Alvaro Rodriguez, Andrey Krayev, Matěj Velický, Peng Chen, Xiangfeng Duan, Patrick El-Khoury, Otakar Frank

B 11 - P 3

TERS Characterization of Functionalized Gold Nanostructures for Improved Biosensors

JF Bryche, M. Vega, A. Tempez, T. Brulé, T. Carlier, J. Moreau, P.G. Charette, M. Chaigneau, M. Canva

B 11 - P 4

Novel integrated III-V/silicon AFM active optical probe for combined AFM/NSOM/TERS measurements

Alexander A. Ukhanov, Fei-Hung Chu, Gennady A. Smolyakov, Kevin J. Malloy

Poster session B12: Ultra-fast Studies

B 12 - P 1

Infrared nano-spectroscopy of antenna coupled intra-molecular vibrational interactions and dynamics

Jun Nishida, Roland Wilcken, Johan F. Triana, Aurelian John-Herpin, Hatice Altug, Felipe Herrera, and Markus B. Raschke

B 12 - P 2

Intraparticle Heat Transfer inside Cross-shaped Nanoparticles Revealed by Femtosecond Transient Spectroscopy

M. Vega, JF Bryche, P. Bresson, PL Karsenti, M. Besbes, J. Moreau, P. Gogol, D. Morris, P.G. Charette, M. Canva

B 12 - P 3

Correlation effects of electrons emitted from needle tips by strongly confined ultrashort optical pulses

Stefan Meier, Jonas Heimerl, Peter Hommelhoff