The 9th International Conference on Nanophotonics (ICNP 2016)

Time	Monday, March 21, 2016
13:30-16:30	**Registration**
	Room: 2nd Conference Room (3F)
14:00-14:05	**Session: MON-SC01 Chair: Vasily Klimov**
14:05-15:05	**SC-1 Joseph W. Haus** *University of Dayton, USA* Essential Concepts in Nanophotonics
15:05-15:35	**Coffee Break**
	Session: MON-SC02 Chair: Kosei Ueno
15:35-16:35	**SC-2 Paras N. Prasad** *State University of New York at Buffalo, USA* Bionanophotonics
17:00-19:00	**Welcome reception**

Date	Tuesday, March 22, 2016
	Room: International Conference Hall (4F)
08:00-08:30	**Opening Remarks: Director Din Ping Tsai**
	Session: TUE-PL01 Chair: Ta-Jen Yen
08:30-09:30	**PL-1 Eric Betzig** *Janelia Research Campus, Howard Hughes Medical Institute, USA* Imaging Life at High Spatiotemporal Resolution
09:30-10:00	**Group Photo & Coffee Break**
	Session: TUE-PL02 Chair: Vladimir Shalaev, Min-Hsiung Shih
10:00-10:45	**PL-2 Naomi Halas** *Rice University, USA* Sustainable Plasmonics and Plasmonics for Sustainability
10:45-11:30	**PL-3 Xiang Zhang** *Univ. of California at Berkeley, USA* Parity-time Symmetry Photonics
11:30-12:00	**IN-1 Na Ji** *Janelia Research Campus, Howard Hughes Medical Institute, USA* From star to neuron – adaptive optical microscopy for deep brain imaging
12:00-13:30	**Lunch**
	Session: TUE-PL03 Chair: Aleksandra B. Djurišić, Yoshimasa Kawata
13:30-14:15	**PL-4 Chennupati Jagadish** *Australian National University, Australia* Semiconductor Nanowires for Optoelectronics and Energy Applications
14:15-15:00	**PL-5 Vladimir Shalaev** *Purdue University, USA* New Materials Platforms for Nanophotonics
15:00-15:30	**Coffee Break**
	Session: TUE-PL04 Chair: L. (Kobus) Kuipers, Pei-Kuen Wei
15:30-16:15	**PL-6 Nikolay Zheludev** *University of Southampton, UK & Nanyang Technological University, Singapore* Metamaterials: Optical Properties on Demand
16:15-17:00	**PL-7 Harald Giessen** *Univ. of Stuttgart, Germany* Short-range surface plasmonics and its (sub-)femtosecond dynamics
17:00-17:30	**IN-2 Aleksandra B. Djurišić** *The University of Hong Kong, Hong Kong* Perovskite solar cells – optimizing the perovskite and device fabrication
18:30-20:30	**Banquet**

Date	Wednesday, March 23, 2016		
	Room: International Conference Hall (4F)		
	Session: WED-PL01 Chair: Cheng Wei Qiu		
08:15 – 09:00	**PL-8 Satoshi Kawata** *Osaka University, Japan* Optical 3D nano-fabrication: drawing or growing?		
09:00 – 09:10	**Break**		
	International Conference Hall (4F)	**1st Conference Room (3F)**	**2nd Conference Room (3F)**
	Session: WED-IC-S1 Chair: Uriel Levy, Chen-Bin Huang	**Session: WED-R1-S1 Chair: Fan Wang, Hai-Pang Chiang**	**Session: WED-R2-S1 Chair: Ann Roberts, Shien-Kuei Liaw**
09:10-09:40	**IN-3 Anatoly Zayats** *King's College London, UK* Nonlinear Processes in Plasmonic Metamaterials	**IN-4 Prabhat Verma** *Osaka University, Japan* High-Resolution Nanoimaging with Tip-Enhanced Raman Spectroscopy	**IN-5 Ai Qun Liu** *Nanyang Technological University, Singapore* Meta-fluidic Metasurface
09:40-10:10	**IN-6 Gary P. Wiederrecht** *Argonne National Laboratory, USA* Nanophotonic Materials for Enhanced Ultrafast Optical Response and Efficient Energy Propagation	**IN-7 Kosei Ueno** *Hokkaido University, Japan* Plasmon-enhanced photochemistry using nano-engineered gold particles	**IN-8 Eric Plum** *University of Southampton, UK* Reconfigurable Nanomembrane Metadevices
10:10-10:30	**Coffee Break**		
	Session: WED-IC-S2 Chair: Gary P. Wiederrecht, Wing Yim Tam	**Session: WED-R1-S2 Chair: Mikhail Noginov, Ewa Kowalska**	**Session: WED-R2-S2 Chair: Eric Plum, Hung-chun Chang**
10:30-11:00	**IN-9 Uriel Levy** *The Hebrew University of Jerusalem, Israel* Light-matter interactions in nanophotonics systems	**IN-10 Fan Wang** *Macquarie University, Australia* Advanced Optical Microscopy enabled single nanoparticle characterization and its applications	**IN-11 Ann Roberts** *University of Melbourne, Australia* Metasurfaces as spatial filters for optical information processing
11:00-11:20	**Oral-1 Kuang-Yu Yang** *EPFL, Switzerland* Second Harmonic Generation in Reflective Gradient Metasurfaces	**Oral-2 Pin-Yi Li** *NTU, Taiwan* Superresolution using Dielectric Microspheres	**Oral-3 Xin-Tao He** *Sun Yat-Sen University , China* Silicon-Based Metalens with Zero Refractive Index
11:20-11:40	**Oral-4 You-Xin Huang** *NTHU, Taiwan* Millimeter-sized ultra-smooth single-crystalline gold flakes for large-area plasmonic and metasurfaces applications	**Oral-5 Hsi-Hsun Chen** *NTU, Taiwan* 3D high-resolution structured illumination microscopy based on Bayesian estimation	**Oral-6 Meng-Chi Chen** *NTHU, Taiwan* Sorting Self-Assembled Single-Crystalline Gold Microplates by Eddy Current
11:40-12:00	**Oral-7 Ruei Han Jiang** *NTHU, Taiwan* Practical and High Efficient Radial Coupling Plasmonic Probe Design for Near Field Application	**Oral-8 Chen Yen Lin** *NTU, Taiwan* Non-scanning In-vivo three-dimensional structured illumination microscopy	**Oral-9 Shaojie Ma** *Fudan University, China* Tailor the functionalities of metasurfaces based on a complete phase diagram
12:00-13:30	**Lunch Break**		

	Session: WED-IC-S3 Chair: Anatoly Zayats, Kuo-Ping Chen	Session: WED-R1-S3 Chair: Prabhat Verma, Tien-Chang Lu	Session: WED-R2-S3 Chair: Ai Qun Liu, Yung-Chiang Lan
13:30-14:00	**IN-12 Olivier J. F. Martin** *Swiss Federal Institute of Technology Lausanne, Switzerland* Using the modal structure of plasmonic systems to boost their efficiency in the linear and non-linear regimes	**IN-13 Vasily Klimov** *P.N. Lebedev Physical Institute, Russia* New Optical Properties of Perforated Metal Films and Their Applications	**IN-14 Takuo Tanaka** *RIKEN, Japan* Metamaterial absorber for attomole level molecular detection
14:00-14:20	**Oral-10 Wing-Cheung Law** *PolyU, Hong Kong* Manganese-doped Near-infrared Emitting Nanocrystals for in vivo Biomedical Imaging	**Oral-11 Iyan Subiyanto** *Chang Gung Univ., Taiwan* Luminance Enhancement by the Incorporation of Au Nanoparticles in Polymer Light-Emitting Diodes	**Oral-12 Ho Ming Dick Leung** *HKUST, Hong Kong* Giant Plasmonic Circular Dichroism in Ag Staircase Nanostructures
14:20-14:40	**Oral-13 Jhen-Hong Yang** *NCTU, Taiwan* Evanescent fields Assisted in Symmetry-Breaking of Gold Nanoantenans	**Oral-14 Pei-Yu Chuan** *NDHU, Taiwan* Innovative Low Intensity Light Simulators for Evaluating DSSCs	**Oral-15 Kel Meng See** *NTHU, Taiwan* Unidirectional Beaming of Photoluminescence from Gold Yagi-Uda Nanoantenna
14:40-15:00	**Oral-16 Shiho Ikegami** *Okayama University, Japan* Self-assembly with Langmuir-Blodgett method for gold nanodimer structures	**Oral-17 Trong Huynh Buu Ngo** *Academia Sinica, Taiwan* Size dependent evolution of the resonant mode in porous ZnO spherical microcavity	**Oral-18 Chen Yan** *EPFL, Switzerland* Narrowband metasurfaces based on Fano resonances
15:00-15:30	**Coffee Break**		
	Session: WED-IC-S4 Chair: Olivier J. F. Martin, Greg Sun	**Session: WED-R1-S4 Chair: Vasily Klimov, Shing-Hoa Wang**	**Session: WED-R2-S4 Chair: Takuo Tanaka, Shiuan-Yeh Chen**
15:30-16:00	**IN-15 L. (Kobus) Kuipers** *FOM institute AMOLF, Netherlands* Nanoscale vector fields - visualization, fascination and application-	**IN-16 Mikhail Noginov** *Norfolk State University, USA* Light-Matter Interactions in Weak and Strong Coupling Regimes	**IN-17 Cheng Wei Qiu** *National University of Singapore, Singapore* Nano-manipulation of Spin-Orbital Angular Momentum via Visible-frequency Metasurfaces
16:00-16:30	**IN-18 Joseph W. Haus** *University of Dayton, USA* Third-Harmonic Generation in Titania/Silver Photonic Crystals	**IN-19 Ewa Kowalska** *Hokkaido University, Japan* Plasmonic photocatalysts for environmental applications	**IN-20 Seung-Han Park** *Yonsei University, Korea* Multimodal Nonlinear Optical Microscopy for In-vivo and Label-free Biological Imaging
16:30-16:50	**Oral-19 Shih-Kang Fan** *NTU, Taiwan* Multiphase Optofluidics on an Electromicrofluidic Platform	**Oral-20 Emiliano Cortes** *Imperial College London, UK* Tailoring light-matter interaction in plasmonic nanoantennas	**Oral-21 Shean Jen Chen** *NCKU, Taiwan* Adaptive Optics Temporal Focusing-based Multiphoton Excitation Microscopy
16:50-17:10	**Oral-22 Chih-Ming Wang** *NDHU, Taiwan* Cost-effective and visible-light-driven photocatalyst for green applications	**Oral-23 Tien-Chang Lu** *NCTU, Taiwan* Ag- and Al-based surface plasmon polariton nanolasers	**Oral-24 Qiang Wang** *Nanjing Univeristy, China* Measuring the Topological Phase Through the Interface States Between Metasurfaces and Photonic Crystals
17:10-18:00	**Dinner - Buffet**		
18:00-20:00	Poster Session Chair: Yung-Chiang Lan, Tien-Chang Lu		

Date	Thursday, March 24, 2016		
	Room: International Conference Hall (4F)		
	Session: THU-PL1 Chair: Chi-Kuang Sun		
08:15 – 09:00	**PL-9 Lihong Wang** *Washington University in St. Louis, USA* Redefining the Spatiotemporal Limits of Optical Imaging: Photoacoustic Tomography, Wavefront Engineering, and Compressed Ultrafast Photography		
09:00 – 09:10	**Break**		
	International Conference Hall (4F)	**1st Conference Room (3F)**	**2nd Conference Room (3F)**
	Session: THU-IC-S1 Chair: Kotaro Kajikawa, Yuan Luo	**Session: THU-R1-S1 Chair: Ken-Tye Yong, Jer-Shing Huang**	**Session: THU-R2-S1 Chair: Chih-Ming Wang Chu-Hsuan Lin**
09:10-09:40	**IN-21 Na Liu** *University of Heidelberg, Germany* Plasmonic walkers on DNA Origami	**IN-22 Paolo Biagioni** *Politecnico di Milano, Italy* Germanium mid-infrared plasmonics for sensing	**IN-23 Junichi Takahara** *Osaka University, Japan* Metal-Air-Metal Nanocavity in a Slanted Plasmonic Nanowire Suspended on a Metal Substrate
09:40-10:10	**IN-24 Minghui Hong** *National University of Singapore, Singapore* Sub-diffraction Limit Imaging by Supercritical Lens with Ultra-long Working Distance	**IN-25 Jeongyong Kim** *Sungkyunkwan University, South Korea* Optical Visualization of Exciton Competitions in TMD Monolayers	**IN-26 Feng Qiu** *Kyushu University, Japan* Hybrid Electro-optic Polymer Modulators
10:10-10:30	**Coffee Break**		
	Session: THU-IC-S2 Chair: Na Liu, Shih-Kang Fan	**Session: THU-R1-S2 Chair: Paolo Biagioni, Chih-Wei Chu**	**Session: THU-R2-S2 Chair: Junichi Takahara, Chi Chen**
10:30-11:00	**IN-27 Yoshimasa Kawata** *Shizuoka University, Japan* Nano-imaging of live cells with electron beam excitation assisted microscope	**IN-28 Ken-Tye Yong** *Nanyang Technological University, Singapore* Plasmonic Gold Nanorods for Biophotonics	**IN-29 Jian Wen Dong** *Sun Yat-Sen University, China* Molding the spin flow in valley photonic crystals
11:00-11:20	**Oral-25 Chia-Yuan Chang** *NCKU, Taiwan* Fast volumetric imaging and patterned illumination via DMD-based temporal focusing multiphoton microscopy	**Oral-26 Jacky FC Loo** *CUHK, Hong Kong* A non-PCR Surface Plasmon Resonance Platform with Aptamer-based Bio-barcode assay for anti-cancer drug screening application	**Oral-27 Shiuan-Yeh Chen** *NCKU, Taiwan* Plasmonic core-satellite assemblies with high yield and stability
11:20-11:40	**Oral-28 Yu Hsun Chou** *NCTU, Taiwan* Lasing characteristic of ZnO plasmonic laser with various gap layer thickness	**Oral-29 Sung-Gyu Park** *KIMS, Korea* Holographic Fabrication of Highly Sensitive and Uniform Plasmonic Sensing Platform	**Oral-30 Genny Anne Pang** *TUM, Germany* Experimental Determination of Absorption, Scattering, and Photoacoustic Signal from Gold Nanoparticles
11:40-12:00	**Oral-31 Chiao-Yun Chang** *Academia Sinica, Taiwan* Optimized enhancement photoluminescence of monolayer MoS2 by covering the densities of plasmonic Au nanonrods	**Oral-32 Chen-Bin Huang** *NTHU, Taiwan* Metasurface for creating orbital angular momenta and microparticle manipulations	**Oral-33 Kotaro Kajikawa** *Tokyo Tech, Japan* Bio-metamaterial: Black Ultrathin Gold Film Fabricated on Lotus Leaf
12:00-13:30	**Lunch Break**		
13:30	City Tour		

Date	Friday, March 25, 2016		
	International Conference Hall (4F)	**1st Conference Room (3F)**	**2nd Conference Room (3F)**
	Session: FRI-IC-S1 **Chair: Mu Wang,** **Chao-Cheng Kaun**	**Session: FRI-R1-S1** **Chair: Hui Liu,** **Shihhui Gilbert Chang**	**Session: FRI-R2-S1** **Chair: Masanobu Haraguchi,** **Ya Yan Lu**
08:30-09:00	**IN-30 Qihuang Gong** *Peking University, China* Manipulating Light with Nano Photonic Structures	**IN-31 Wolfgang Fritzsche** *Leibniz Institute of Photonic Technology, Germany* Bioanalytics using single plasmonic nanostructures	**IN-32 Manfred Eich** *Hamburg University of Technology, Germany* Tailored thermal emission from refractory metamaterials
09:00-09:30	**IN-33 Zouheir Sekkat** *Moroccan Foundation for Advanced Science, Morocco* Towards Ultra-high Sensitivities in Plasmon Based Optical Sensors	**IN-34 Liwei Liu** *Changchun University of Science and Technology, China* Heavy-metal free QDs preparation and biomedical application	**IN-35 Lei Zhou** *Fudan University, China* Metasurfaces for high-efficiency surface plasmon coupler and active dispersion compensation
09:30-09:50	**Oral-34 Kuang-Li Lee** *Academia Sinica, Taiwan* Enhancing Surface Sensitivity of Metallic Nanostructures Using Oblique-Angle Induced Fano Resonances	**Oral-35 Yung-Chiang Lan** *NCKU, Taiwan* Tunable tapered waveguide for efficient compression of light to graphene plasmons	**Oral-36 Kuo-Ping Chen** *NCTU, Taiwan* Fabrication of Titanium Nitride as Plasmonic Materials with Room Temperature High-power Impulse Magnetron Sputtering
09:50-10:10	**Oral-37 Yu-Ju Hung** *NSYSU, Taiwan* Comprehensive Three-Dimensional Analysis of Surface Plasmon Polariton Modes at Uniaxial Liquid Crystal-Metal Interface	**Oral-38 Min-Hsiung Shih** *Academia Sinica, Taiwan* High Circular Dichroism Ultraviolet Lasing from Planar Spiral Metal-Gallium-Nitride Nanowire Cavity	**Oral-39 Bi-Chang Chen** *Academia Sinica, Taiwan* Lattice Light Sheet Microscopy: From Molecules to Organism Imaging
10:10-10:30	**Coffee Break**		
	Session: FRI-IC-S2 **Chair: Liwei Liu,** **Shu-Wei Chang**	**Session: FRI-R1-S2** **Chair: Wolfgang Fritzsche,** **Yun-Chorng Chang**	**Session: FRI-R2-S2** **Chair: Lei Zhou,** **Yi-Jun Jen**
10:30-11:00	**IN-36 Mu Wang** *Nanjing University, China* An Approach to Tune the Polarization State of Light with Metastructures over a Broad Frequency Range	**IN-37 Hui Liu** *Nanjing University, China* Mimicking Einstein's Ring in Curved Waveguides	**IN-38 Masanobu Haraguchi** *Tokushima University, Japan* Polymer core channel plasmonic waveguide for Si-Plasmon hybrid photonic integrated circuit
11:00-11:30	**IN-39 Jr-Hau He** *King Abdullah Univ. of Science & Technology, Saudi Arabia* Photon managements by employing nanostructures for optoelectronic devices	**IN-40 Greg Sun** *UMass Boston, USA* Ge/Ge0.975Sn0.025/Ge p-i-n Photodetector Operated with Back-side Illumination	**IN-41 Tao Li** *Nanjing Unviersity, China* In-plane Holography for Indefinite Plasmonic Beam Engineering
11:30-11:50	**Oral-40 Tsung Sheng Kao** *NCTU, Taiwan* Enhanced Coherent Light Emission Properties in Solution-processed Lead Halide Perovskites	**Oral-41 Victor Yang** *Ryerson University, Canada* Pulsed and CW adjustable 1942nm single-mode all-fiber Tm-doped fiber laser system for surgical laser soft tissue ablation applications	**Oral-42 Zhong Fan** *Nanjing University, China* Flexible coherent control of plasmonic spin-Hall effect

11:50-12:10	**Oral-43 Yu-bin Chen** *NCKU, Taiwan* Tailoring Optical Responses of Glass Using Silver Nano-Pillars for Saving Energy	**Oral-44 Ching-Hang Chien** *Academia Sinica, Taiwan* Line-shapes of WGM enhanced photoluminescence spectra of ZnO microspheres with exciton-polariton effect	**Oral-45 Wen Sheng Gao** *HKUST, Hong Kong* Determination of Zak phase by reflection phase in 1D photonic crystals
12:10-13:30	**Lunch Break**		
	Session: FRI-IC-S3 **Chair: Zouheir Sekkat,** **Yu-Bin Chen**	**Session: FRI-RI-S3** **Chair: Manfred Eich,** **Tsung Sheng Kao**	**Session: FRI-R2-S3** **Chair: Seung-Han Park** **Yuh-Jen Cheng**
13:30-13:50	**Oral-46 Yi Chieh Lai** *NCKU, Taiwan* Plasmonic Archimedean Spiral Modes on Concentric Metal Ring Gratings	**Oral-47 Cheng-Wei Chang** *NTHU, Taiwan* Surface Plasmon Polaritons Amplitude Modulations by using Zeeman effect and Polarization control	**Oral-48 Fan Cheng Lin** *NTHU, Taiwan* Novel Design of Plasmonic Doppler Grating for Color Sorting and Index Sensing
13:50-14:10	**Oral-49 Ya Tang Yang** *NTHU, Taiwan* Freezing photothermal convection in plasmonic optical lattice	**Oral-50 Tian Yang** *Shanghai Jiao Tong Univ, China* Phonon Stimulated Scattering and Single Molecule Dynamics in Reproducible Ultrasensitive SERS Hotspots	**Oral-51 Po-Hao Wang** *NTU, Taiwan* Transformation-optics macroscopic visible-light beyond two dimensions cloaking
14:10-14:30	**Oral-52 Yihsin Chien** *Academia Sinica, Taiwan* Angled Nanospherical-Lens Lithography as a high-throughput method to fabricate periodic arrays of various nanostructures	**Oral-53 Agnes Purwidyantri** *Chang Gung University, Taiwan* Non-lithographic Nanopatterning for SERS Au-nanoarray	**Oral-54 Shang-Yung Yu** *Chang Gung University, Taiwan* Photoacoustic Signal of Core-shell Gold Nanorod Colloid
14:30-14:50	**Oral-55 Ieng Wai Un** *NTHU, Taiwan* Interface States of Binary Hyperbolic Metamaterials	**Oral-56 Ya Yan Lu** *CityU, Hong Kong* Improved bull's eye structures for higher transmission	**Oral-57 Anna Reszka** *PAS, Poland* Local optical and structural properties of GaN nanowires with AlxGa1-xN segments
14:50-15:10	**Oral-58 Husneni Mukhtar** *ICube, France* Performance comparison of air and immersion Linnik objectives in coherence scanning interferometry	**Oral-59 R. Vijaya** *IIT Kanpur, India* Broadband negative refraction in a two-dimensional photonic crystal without any negative index material	**Oral-60 Agnieszka Pieniazek** *PAS, Poland* Cathodoluminescence studies of ZnO microrods grown by hydrothermal method
15:10-15:20	Break		
15:20-15:40	Closing Ceremony/Award		