

JSAP-OSA Joint Symposia 2020 (I)

Session Schedule

4.1 Plasmonics and Nanophotonics		
9/9(Wed.)	10:00 ~ 17:45	Room Z16
4.2 Photonics Devices, Photonic Integrated Circuit and Silicon Photonics		
9/9(Wed.)	10:00 ~ 12:00	Room Z23
4.3 Lasers and laser materials processing		
9/10(Thu.) 9/11(Fri.)	09:00 ~ 12:00 09:00 ~ 12:00	Room Z16
4.4 Information Photonics *Code-sharing Session with 3.3 Information photonics and image engineering		
9/9(Wed.)	13:00 ~ 17:00	Room Z10
4.5 Nanocarbon and 2D Materials *Code-sharing Session with 17 Nanocarbon		
9/8(Tue.) 9/9(Wed.)	09:00 ~ 12:30 09:00 ~ 12:00	Room Z23 Room Z26
4.6 Terahertz Photonics		
9/9(Wed.)	13:00 ~ 17:00	Room Z23
4.7 Quantum Optics and Nonlinear Optics		
9/10(Thu.)	08:30 ~ 11:45	Room Z23

Invited Speakers

OSA Special Lecture				
9/9 (Wed.)	08:30 ~ 09:30	Room Z16	TBA	Fantone Stephen (The Optical Society)

4.1 Plasmonics and Nanophotonics				
9/9 (Wed.)	10:00 - 10:30	Room Z16	Surface-enhanced Raman spectroscopy at non-plasmonic platinum electrodes using long-range surface plasmon modes	Katsuyoshi Ikeda (Nagoya Inst. Of Tech.)
	10:30 - 11:00		Blinking surface-enhanced Raman scattering	Yasutaka Kitahama (AIST)
	11:00 - 11:30		Plasmonic Nanoantennas	Jianfang Wang (Chinese Univ. of Hong Kong)
	13:00 - 13:30		Plasmon-nanofocused broadband light source	Takayuki Umakoshi (Osaka Univ.)
	13:30 - 14:00		Plasmonic Control of Molecule Diffusion at Electrified Interfaces in Solutions	Kei Murakoshi (Doshisha Univ.)
	15:30 - 16:00		Understanding Subcellular Dynamics with nanoplasmonic apertures	Donghyun Kim (Yonsei Univ.)
	16:00 - 16:30		Multimodal label-free microscopy for the detection of single-cell immune response	Nicolas Pavillon (Osaka Univ.)

4.2 Photonics Devices, Photonic Integrated Circuit and Silicon Photonics				
9/9 (水)	10:00 - 10:30	Room Z23	Emerging Technologies for 3D Laser Rangefinder	Sze Yun Set (RCAT, the Univ. of Tokyo)
	11:30 - 12:00		Progress in Linear Optical Operation Gates and Circuits in Si Photonics Towards Photoelectronic Converged Accelerators	Shota Kita (NTT BRL)

JSAP-OSA Joint Symposia 2019 (II)

Invited Speakers

4.3 Lasers and laser materials processing				
9/10 (Thu.)	09:00 - 09:30	Room Z16	Picosecond thin disk laser platform Perla for micromachining	Martin Smrž (Hilase centre, Institute of Physics AS CR)
	10:30 - 11:00		Investigation of material science with high intensity ultrafast laser	Masaki Hashida (ICR Kyoto Univ.)
9/11 (Fri.)	09:00 - 09:30		Structured light offers new laser sciences and structured materials	Takashige Omatsu (Chiba Univ.)
	11:30 - 12:00		Dispersion engineering for microresonator frequency comb generation	Takasumi Tanabe (Keio Univ.)

4.4 Information Photonics ※Code-sharing Session of 3.3 Information photonics and image engineering				
9/9 (Wed.)	13:00 - 13:30	Room Z10	Optical filtering, imaging, and super-resolution imaging through strongly scattering media	Cuong Dang (Nanyang Technol. Univ.)
	14:15 - 14:45		Deep Depth from Aberration Map	Masako Kashiwagi (Toshiba)
	16:30 - 17:00		Forming Three-Dimensional Still Image by Micro Prism Array on See-Through Light Guide	Masayuki Shinohara (Omron)

4.5 Nanocarbon and 2D Materials ※Code-sharing Session of 17 Nanocarbon				
9/8 (Tue.)	09:00 - 09:30	Room Z23	One-dimensional van der Waals heterostructures	Rong Xiang (The Univ. of Tokyo)
	11:00 - 11:30		Growth and device applications of in-plane heterostructures based on layered chalcogenides	Yasumitsu Miyata (Tokyo Metropolitan Univ.)
9/9 (Wed.)	09:00 - 09:30	Room Z26	Probing the unique electrical and optical properties in one-dimensional carbon nanotubes and nanoribbons	Sihan Zhao (UC Berkeley)
	10:45 - 11:15		Energy Modulation of Localized Excitons in Single-walled Carbon Nanotubes by Molecular Chemistry Approaches	Tomohiro Shiraki (Kyushu Univ.)

4.6 Terahertz Photonics				
9/9 (Wed.)	13:00 - 13:30	Room Z23	From ultrafast spin currents to spintronics THz emitters and subpicosecond giant spin injection in semiconductors	Marco Battiato (Nanyang Technol. Univ.)
	13:30 - 14:00		Terahertz spectroscopy for dynamics in Dirac and Weyl semimetals toward high-speed electronics and spintronics	Ryusuke Matsunaga (The Univ. of Tokyo)
	15:15 - 15:45		Resonators for nanoscale terahertz light - matter interactions	Luca Razzari (INRS-EMT)
	15:45 - 16:15		Integrated Terahertz Radar System Based on Leaky-Wave Coherence Tomography	Yasuaki Monnai (Keio Univ.)

4.7 Quantum Optics and Nonlinear Optics				
9/10 (Thu.)	08:30 - 09:00	Room Z23	Quantum sensing using entangled photons	Shigeki Takeuchi (Kyoto Univ.)
	09:00 - 09:30		Emergence of the Geometric Phase from Quantum Measurement Back-action	Yoon-Ho Kim (POSTECH)
	10:15 - 10:45		High Harmonic Generation in Metals and Doped Semiconductors	Koichiro Tanaka (Kyoto Univ.)
	11:00 - 11:30		All-Fiber Beam Shaping for Precise Optical Manipulation within a Single Droplet	Kyunghwan Oh (Yonsei Univ.)

English Sessions

T13 Recent progress in Advanced Ion Microscopy: Application to nano materials / devices and life science		
9/10(Thu.)	13:30 ~ 17:45	Room Z15
8.6 Plasma Electronics English Session		
9/11(Fri.)	08:30 ~ 09:30	Room Z03

In Category 10 “Spintronics and Magnetism”, more than half of the presentations will be in English.

10.1 Emerging materials in spintronics and magnetism (including fabrication and characterization methodologies)		
9/11 (Fri.)	9:00 ~ 17:45	Room Z08
10.2 Fundamental and exploratory device technologies for spin		
9/10(Thu.)	08:45 ~ 15:30	Room Z08
10.3 Spin devices, magnetic memories and storages		
9/10 (Thu.)	16:00 ~ 18:00	Room Z08
10.4 Semiconductor spintronics, superconductor, multiferroics		
9/8 (Tue.)	09:30 ~ 15:00	Room Z08
10.5 Application of magnetic field		
9/8 (Tue.)	08:30 ~ 11:00	Room Z10