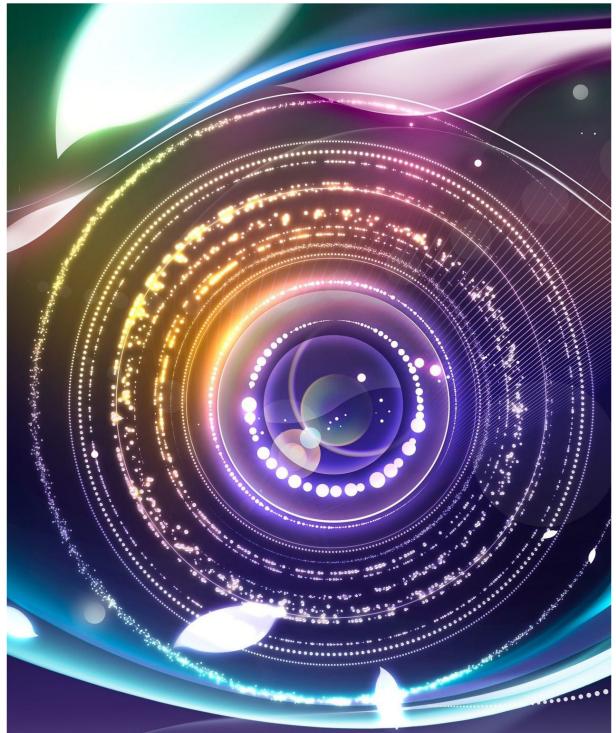


## Scientific Program

International Conference on

## LASERS, OPTICS AND PHOTONICS

July 25-26, 2018 | Osaka, Japan

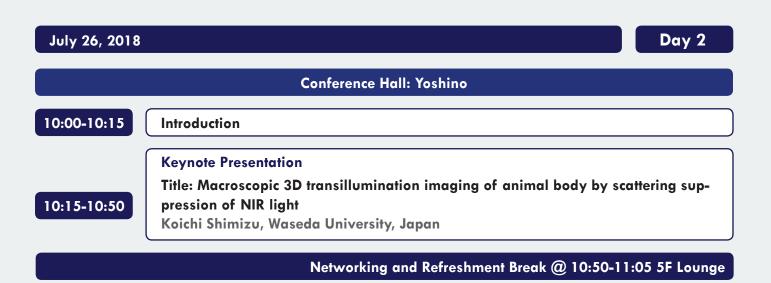


July 25, 2018	Optics Conference Agenda Day 1
09:00-09:30	Registration
	Conference Hall: Yoshino
09:30-10:00	Opening Ceremony
10:00-10:15	Introduction
10:15-10.50	Keynote Forum Title: Overcooled gas flow assisted image recognition Konstantin Lyakhov, Jeju National University, South Korea
10:50-10:55	Group Photo
	Networking and RefreshmentBreak 10:55-11:10 @ 5F Lounge
11:10-11:45	Keynote Forum Title: Electric-field-resolved spectroscopy of molecular vibrations loachim Pupeza, Max Planck Institute of Quantum Optics, Germany
11:45-12:20	Title: Oxide semiconductor plasmonics in the infrared range for modern life Hiroaki Matsui, The University of Tokyo, Japan
12:20-12:55	Title: Environmental factors impacts to bidirectional optical wireless communication Shien-Kuei Liaw , National Taiwan University of Science and Technology, Taiwan
	12:55-14:00 Lunch @ 1F Restaurant The Cafe
Oral Session I: Optics and Bion Optical Imaging	nechanics/ Modern Optics/Interferometry/ SDM and Beyond/ Optical Metrology/
	anjun Yu, Fudan University, Shanghai, China 7: Pawat Phuaknoi, National Institute of Metrology, Thailand
14:00-14:20	Title: Mechanical vibration characteristics of hetero-core fiber optic sensor built in at both clamped ends with bending Michiko Nishiyama, Soka university, Japan
14:20-14:40	Title: Laser induced breakdown spectroscopy for analysis of materials W Aslam Farooq, King Saud University, Saudi Arabia
14:40-15:00	Title: Reduction of stress induced bending in MEMS suspended membrane Muhammad Luqman Haider, Balochistan University of Information Technology, Pakistan
15:00-15:20	Title: Experimental investigation of halothane as a new halide donor for nuclear pumped excimer laser Anton V Podkopaev, Obninsk Institute for Nuclear Power Engineering, Russia

## **Special Session** Title: Highly flat optical frequency comb generation based on passive modulation 15:20-16:00 devices Dongsun Seo, Myongji University, South Korea Networking and Refreshment Break 16:00-16:15 @ 5F Lounge **Oral Session II:** Systems and Machine Vision/ Optical Computing/ Micro-Opto-Electro-Mechanical Systems (MOEMS)/ Microscopy and Adaptive Optics/ Lasers in Medicine and Biology Session Chair: Konstantin Lyakhov, Jeju National University, South Korea Session Co-chair: loachim Pupeza, Max Planck Institute of Quantum Optics, Germany Title: Highly efficient and stable semi-transparent perovskite photovoltaic cells 16:15-16:35 Sheng Hsiung Chang, CYCU, Taiwan Title: Recent progress on high-speed optical transmission 16:35-16:55 Jianjun Yu, Fudan University, China Title: Correlation of a phase change correction and surface roughness 16:55-17:15 Pawat Phuaknoi, National Institute of Metrology, Thailand Title:Inexpensive U-bent optical fiber sensor utilizing localized surface plasmon resonance (LSPR) technique 17:15-17:35 Dimpi Paul, Tezpur University, India **Special Session** 17:35-18:00

Title:Optical coating Guowen Ding, Labforinvention Corp, USA

**Session Adjournment** 



11:05-11:40	Keynote Presentation Title: Optical interconnect opportunities for future server memory systems Yasunao Katayama, IBM Academy of Technology, IBM Research, Tokyo
11:40-12:15	Novel guided fluidic assembling technology for optical devices Brahm Pal Singh, Panasonic Corporation, Osaka, Japan
12:15-12:50	Title: Current status of SBS PCM based self-navigation of laser drivers on IFE pellets injected into the reactor chamber Milan Kalal, Faculty of Nuclear Sciences and Physical Engineering Czech Technical Uni- versity, Prague
	12:50-14:00 Lunch @ 1F Restaurant The Cafe
	Special Session
14:00-14:45	Title: Novel guided fluidic assembling technologies for optical devices Brahm Pal Singh, Panasonic Corporation, Japan
Oral Session III	
Engineering Ap Photonics, Nan	 oplications of Spectroscopy/ Applications and Trends in Optics/ Optoelectronic Devices, ophotonics and Biophotonic/ Organic Optoelectronics and Integrated Photonics/ unications, Switching and Networks/ High-speed Opto-electronic Networking
	Coichi Shimizu, Waseda University, Japan Tasunao Katayama, IBM Academy of Technology, IBM Research, Japan
14:45-15:05	TTitle: High accuracy optoelectronic jaw motion dynamic tracking system Yuan-Min Lin, National Yang-Ming University, Taiwan
15:05-15:25	Title: High-power high-beam-quality 330-nm laser from a frequency-quadrupled nd: Yag laser
	Shen-Jin Zhang, Technical Institute of Physics and Chemistry, China
15:25-15:45	Title: 6.45µm laser for tissue ablation with high precision Yu Shen, Technical Institute of Physics and Chemistry, China
	Networking and Refreshment 15:45-16:00 @ 5F Lounge
16:00-16:20	TTitle: Residual stress reduction in si3n4/sio2 notch filters by reactive pulsed mag- netron sputtering Chuen-Lin Tien, Feng Chia University, Japan
16:20-16:40	Title: Multi-spectrum laser-excited phosphor light engine for endoscopic fiber illumi- nation applications Tsung-Xian Lee, National Taiwan University of Science and Technology, Taiwan
	Special Session
16:40-17:30	Title: Laser based 3-d printing of materials for engineering applications Hua Guan, Wuhan Institute of Physics and Mathematics, China

OPT-1	Title: Combined output windows for high-power lasers Maxim Rogozhin, Moscow Institute of Physics and Technology, Russia
OPT-2	Title: Residual stress reduction in si3n4/sio2 notch filters by reactive pulsed magne- tron sputtering Chuen-Lin Tien, Feng Chia University, Japan
OPT-3	Title: Multi-spectrum laser-excited phosphor light engine for endoscopic fiber illumi nation applications Tsung-Xian Lee, National Taiwan University of Science and Technology, Taiwan

**Conference Adjournment** 

