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International Conference On
Lasers, Optics and Photonics

July 25-26, 2018 | Osaka, Japan



Optics 2018	
Day 1 July 25, 2018	
09:00-09:30	Registration
09:30-10:00	Opening Ceremony
10:00-10:15	Introduction
Keynote Forum	
10:20-10:50	**Title: Overcooled gas flow assisted image recognition**
	Konstantin Lyakhov, Jeju National University, South Korea
10:50-11:20	**Title: Electric-field-resolved spectroscopy of molecular vibrations**
	Ioachim Pupeza, Max Planck Institute of Quantum Optics, Germany
11:20:11:50	**Title: Oxide Semiconductor Plasmonics in the Infrared range for Modern Life**
	Hiroaki Matsui , Department of Electric Engineering, the University of Tokyo, Japan
11:50-12:20	**Title: Novel Guided Fluidic Assembling Technologies for Optical Devices**
	Brahm Pal Singh , Panasonic Corporation, Osaka, Japan
Coffee Break (12:20-12:40)	
WorkShop/Special Session (12:40-01:25)	
12:20-01:05	**Title:Highly flat optical frequency comb generation based on passive modulation devices**
	Dongsun Seo, Myongji University, South Korea
Group Photo (1:25-1:30)	
Lunch (01:30-02:30)	
Oral Session I	
Optics and Biomechanics/ Modern Optics/Interferometry/ SDM and Beyond/ Optical Metrology/ Optical Imaging	
***Speaker Slots available**	
02:30-02:50	**Title: Experimental investigation of halothane as a new halide donor for nuclear pumped excimer laser**
	Anton V. Podkopaev, Obninsk Institute for Nuclear Power Engineering, Obninsk, Russia
02:50-03:10	**Title: Laser Induced Breakdown Spectroscopy for analysis of materials**
	W Aslam Farooq, King Saud University, Saudi Arabia
03:10-03:30	**Title: Reduction of stress induced bending in MEMS Suspended Membrane**
	Muhammad Luqman Haider, Balochistan University of Information Technology, Pakistan
Coffee Break (03:30-03:50)	
Oral Session II	
Systems and Machine Vision/ Optical Computing/ Micro-Opto-Electro-Mechanical Systems (MOEMS)/ Microscopy and Adaptive Optics/ Lasers in Medicine and Biology	
03:50-04:10	**Title: Highly efficient and stable semi-transparent perovskite photovoltaic cells**
	Sheng Hsiung Chang, CYCU, Taiwan
04:10-04:30	**Title: Recent progress on high-speed optical transmission**
	Jianjun Yu, Department of IC, Fudan University, Shanghai, China
***Speaker Slots available**	
04:30-04:50	**Title: Correlation of a phase change correction and surface roughness**
	Pawat Phuaknoi, National Institute of Metrology, Thailand
04:50-05:10	**Title:Inexpensive U-bent optical fiber sensor utilizing localized surface plasmon resonance (LSPR) technique** **Dimpi Paul,** Tezour University, India

Special Session	
05:10-06:00	**Title:Optical coating**
	Guowen Ding, CEO of Labforinvention Corp, USA
	Title:Laser Based 3-D printing of Materials for Engineering Applications
	Hua Guan, Wuhan Institute of Physics and Mathematics, China
Day 2 July 26, 2018	
09:00-09:10	Introduction
Keynote Forum	
09:10-09:40	**Title: Macroscopic 3D transillumination imaging of animal body by scattering suppression of NIR light**
	Koichi Shimizu , Waseda University, Kitakyushu, Japan
09:40-10:10	**Title: Induced Cooperative Raman Lasing and Entanglement between the Mode Components of nano-Fiber or Cavity**
	Dr. Nicolae A. Enaki , Institute of Applied Physics, Moldova
10:10-10:40	**Title: Current status of SBS PCM based self-navigation of laser drivers on IFE pellets injected into the reactor chamber**
	Dr.Milan Kalal , Faculty of Nuclear Sciences and Physical Engineering Czech Technical University, Prague
10:40-11:10	**Title: Optical Interconnect Opportunities for future Server Memory Systems**
	Yasunao Katayama, IBM Academy of Technology, IBM Research, Tokyo
11:10-12:40	**The Challenge of Optics in Future Extremely Large Telescopes**
	Eric Ruch, Safran Reosc, France
Lunch (12:40-01:40)	
Oral Session I	
Engineering Applications of Spectroscopy/ Applications and Trends in Optics/ Optoelectronic Devices, Photonics, Nanophotonics and Biophotonic/ Organic Optoelectronics and Integrated Photonics/ Optical Communications, Switching and Networks/ High-speed Opto-electronic Networking	
01:40-02:00	**Title: Diagnostics of Laser Remelting of Thermally Sprayed Coatings Using an Infrared Cameras**
	Marek Vostřák, University of West Bohemia, Pilsen, Czech Republic
02:00-02:20	**Title:High-Power High-Beam-Quality 330-nm Laser From a Frequency-Quadrupled Nd:YAG Laser**
	Shen-Jin Zhang
02:20-02:40	**Title: 6.45µm laser for tissue ablation with high precision**
	Yu Shen , Technical Institute of Physics and Chemistry, Beijing, China
02:40-03:00	**Title: Photo-induced flows relevant to laser-based droplet manipulations**
	Takahiro Tsukahara, Tokyo University of Science, Japan
***Speaker Slots available**	
Poster Session	
***Poster Slots available**	
	Title:Photocatalytic reactor for methylene green degradation
	Angelina Yurievna Petrova, TSU, Russia
	Title:Surface Micro-Patterning of Oriented Polyethylene Films using Interference Holography
	Sarah S. D. Lafleur, University of Eindhoven, The Netherlands
	Title:Combined Output Windows for High-Power Lasers
	Maxim Rogozhin, Moscow Institute of Physics and Technology, Russia
***Exhibitor Slots available**	

Keynote Speakers



Hiroaki Matsui
Japan



Ioachim Pupeza
Germany



Koichi Shimizu
Japan



Konstantin Lyakhov
South Korea

OCM's



Dongsun SEO
South Korea



Hua Guan
Japan



Victor V Apollonov
Russia



Dr. Guowen Ding
USA

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Explore Osaka

Osaka is a designated city in the Kansai area of Japan which is situated at the mouth of the Yodo River on Osaka bay. Osaka is a large port city and commercial center in the Japanese island of Honshu. It is the second biggest city in Japan being a noteworthy financial spot for the nation.

It is known for its modern architecture, nightlife and hearty street food. The 16th-century shogunate Osaka Castle, which has undergone several restorations, is its main historical landmark. Sumiyoshi-taisha is among Japan's oldest Shinto shrines. The city's west side has the fundamental port and a traveler goal with attractions, for example, Kyocera Dome, Universal Studios Japan, Osaka aquarium, Minami, Osaka palace, Umeda sky building and the Tempozan Harbor Village.

Osaka Attractions



Japan Univarsal Studios

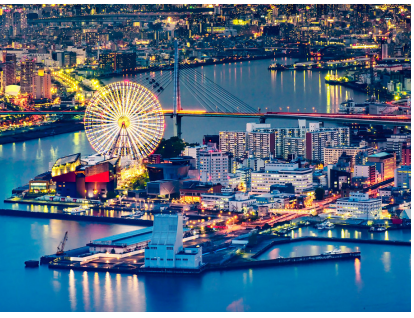

Osaka Palace


Kobe Mountains


Osaka Affair


Osaka Aquarium


Umeda Sky Building


Osaka Harbor City


Kyocera Dome


Shitenno-Ji-Temple





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Osaka, Japan

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