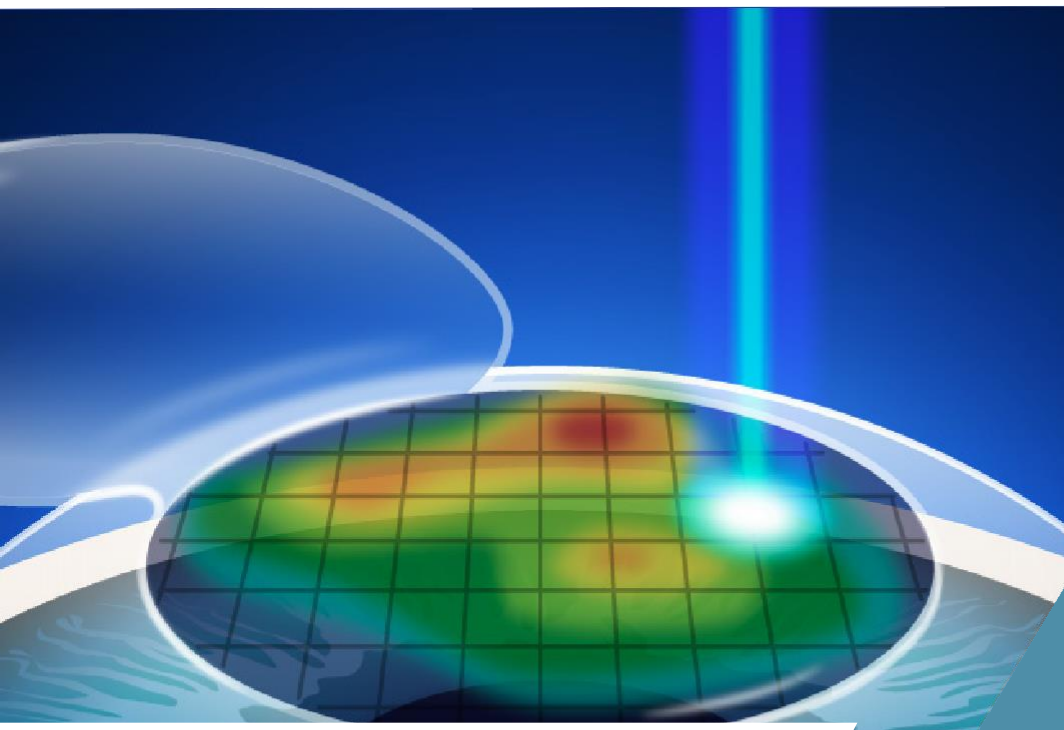
Tentative Program

Meetings International

15th International Congress on
Laser Advanced Materials Processing



June 22-23, 2020
Osaka, Japan

Theme: Estimating future advancements to be created and the future laser marketing

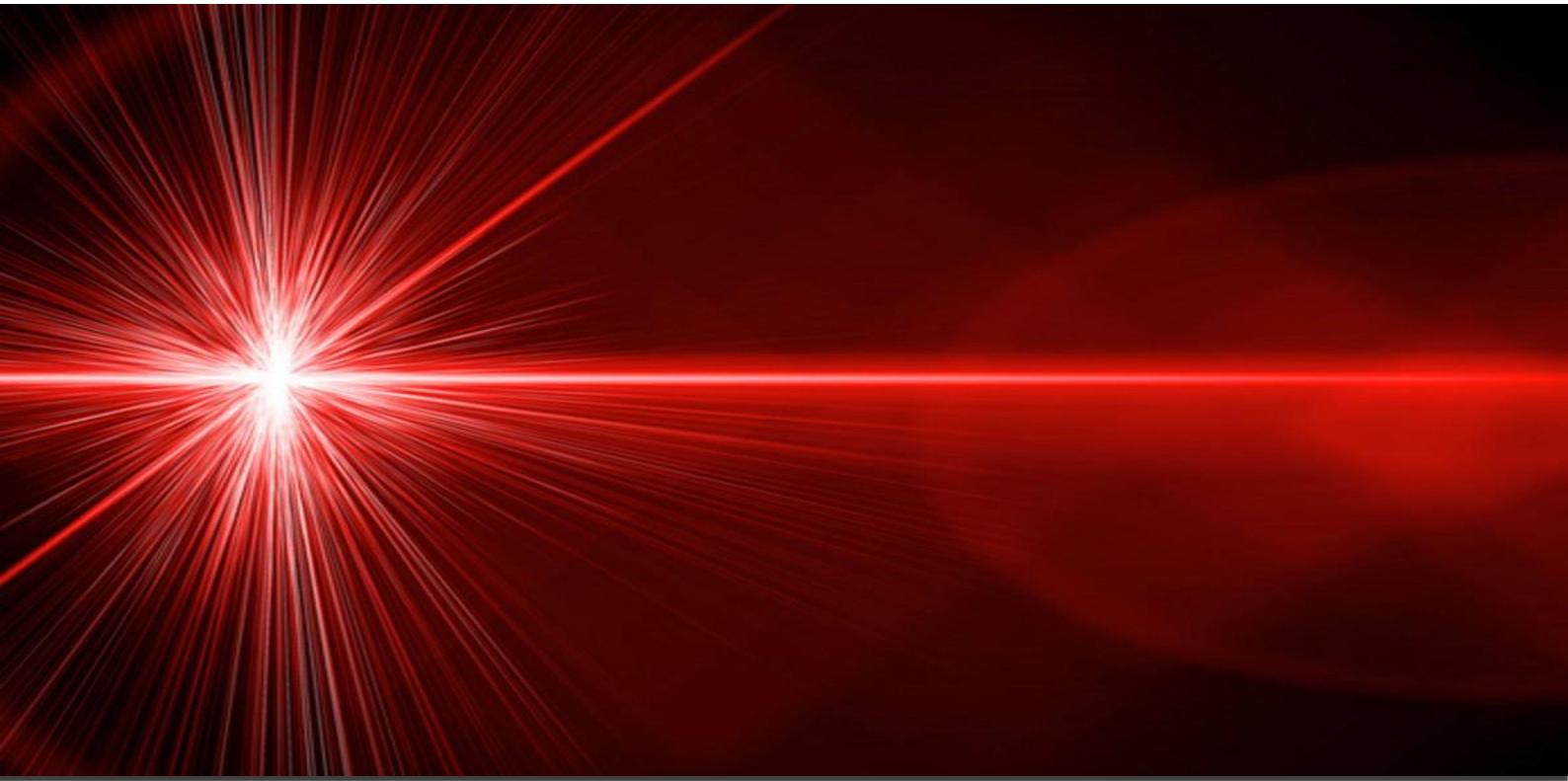
https://www.meetingsint.com/conferences/materialsprocessing

Meetings International extends its welcome to "15th International Congress on Laser Advanced Materials Processing" scheduled on June 22-23, 2020 in Osaka, Japan, with the theme of "Estimating future advancements to be created and the future laser marketing".

Laser Advanced Materials Processing 2020 will serve an excellent experience and opportunities to enhance one's career. Join us in Osaka. It is comprised of 12 tracks designed to offer comprehensive sessions that address current trends in Advanced laser processing, and many more. Laser Advanced Materials Processing 2020 composed of symposiums by world class researchers and experts.

Conference Highlights:

- Laser & Optics
- Advanced Laser Processing
- Advanced Optical and Magnetic material
- Advanced Materials & Functional Devices
- Micro patterning and Nano processing
- Gas, solid and diode laser
- Beam delivery system
- Micro and remote welding
- Laser detectors
- Drilling, Brazing and Soldering
- Laser device in Medical
- Industrial application of Laser
- Laser Safety and environmental aspects
- Advanced Nano-materials- production, Synthesis and Processing
- Advancement in Nano-materials Science & Nanotechnology



Materials Processing 2020	
Day 1 June 22, 2020	
09:00-09:30	Registration
09:30-09:45	Introduction by Moderator
Keynote Forum	
09:45-10:15	Surface structuring of optical tooling by laser remelting
	Evgueni Bordatchev, Senior Research Officer National Research Council of Canada, Canada
10:15-10:45	Engineered Functional Surfaces by Laser Micro Processing
	Guan Yingchun, Beihang University, China
Networking & Refreshment Break, 10:45-11:05	
11:05-11:35	Direct Fabrication of Ceramic Components by Ultraviolet Laser Lithography
	Soshu Kirihara, Osaka University, Japan
11:35-12:05	To be updated
	Nathaniel Quick, Laser Institute of America, USA
12:05-12:35	Microstructural and geometric characteristics investigation of laser-aided direct metal deposition
	Reza Shoja Razavi, Malek Ashtar University of Technology, Iran
12:35-13:05	Nano-optical trapping and manipulation
	Yuchao Li, Jinan University, China
Group Photo, 13:05-13:15	
Lunch Break 13:15 -14:00	
Oral Session I	
Session Chair: Steven Glover, The Laser Institute of America, USA	
14:00-14:20	Experimental research on plasma plume and keyhole behaviour in laser deep-penetration welding of TC4
	Jiajun Xu, Huazhong University of Science and Technology, China
14:20-14:40	Laser polishing and structuring of tooling and functional surfaces
	Evgueni Bordatchev, National Research Council of Canada, Canada
14:40-15:00	Equal strength connection of high strength steel thick section with low matching welding material by narrow gap hybrid laser - arc welding
	Yanming Wu, Tsinghua University, China
Oral Session II	
Session Chair: Steven Glover, The Laser Institute of America, USA	
15:00-15:20	Size estimation of suspended nanoparticles produced by liquid-phase pulsed laser ablation using multi angle Near-Infrared light scattering transmissometry and nephelometry
	Tchami Jean Hilaire, University of Ngaoundere, Cameroon
15:20-15:40	Geometrical impact on sensing based on localized surface plasmon resonance (LSPR) technique
	Dimpi Paul, Golaghat engineering college, India
	Networking & Refreshment Break, 15:40-16:00
16:00-16:20	Novel HLC-HA-CCS and PVA-CMC-PEG hydrogels for wound dressing
	Chenhui Zhu, Northwest University, China
16:20-16:40	Non-wovens carbon nanofibers doped and covered with carbon nanotubes as binderless
	Elaine Y. Matsubara, University of Saeo Paulo, Brazil
16:40-17:00	Spectrofluorometric assay using gold nanoparticles and cationic dye Rhodamine B for selective and sensitive detection of L-Cysteine in aqueous environment
	Pabitra Kumar Paul, Jadavpur University, India
	Speaker Slot Available!!
	Conference Adjournment

About Osaka

OSAKA (about 330 miles southwest of Tokyo) is the second largest city in Japan and the 13th largest city in the world, with a population of about 10.5 million people. Situated on a sheltered bay, it is also the commercial, shipping and industrial center of western Japan, the second major gateway to Japan after Tokyo. People from Osaka and Kansai are regarded as more outgoing, pragmatic, independent and irreverent than other Japanese.



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Previous Conference Program

June 14,2019 | **Conference Agenda** | **Day 1**

Conference Hall:

09:30-10:00	**Registrations**
10:00-10:15	**Opening Ceremony**
10:15-10:50	**Keynote Forum** **Title: Fist order ether drift experiment** **Ling Jun Wang,** University of Tennessee, USA

Group Photo 10:50-10:55

Networking & Refreshment Break 10:55-11:10

11:10-11:45	**Keynote Forum** **Title: High-power high-beam-quality laser from a frequency-quadrapled nd: Yag laser** **Shenjin Zhang,** Technical Institute of Physics and Chemistry, China
11:45-12:20	**Title: Medical Photonics, Photo-biomodulation and the Future Disruptive Revolution by Lasers in Medicine** **Richard Satava,** University of Washington Medical Centre, USA
12:20-12:55	**Title: Spin Lifetime in High Quality InSb Epitaxial Layers Grown on GaAs** **Konstantin Litvinenko,** University of Surrey,London

Lunch break 12:55-14:00

Oral Session I:
Advancements in Laser, Optics and Photonics | Laser Safety | Surface Enhanced Spectroscopy (SES)

Session Chair: **Ling Jun Wang,** University of Tennessee, USA

14:00-14:25	**Title: Probing acoustics of a modulated plasma through the oscillations of its brightness** **Gilles Courret,** University of Applied Sciences and Arts Western Switzerland, Switzerland
14:25-14:50	**Title: Retained soft lens matter following routine phacoemulsification and IOL insertion** **Mohammad Rahman,** Southend University Hospital, United Kingdom
14:50-15:15	**Title: 6.45µm laser for tissue ablation with high precision** **Yu Shen,** Technical Institute of Physics and Chemistry, China

15:15-15:40	**Title: Tunable Plasmonic Resonator for Absorbing Light** **Niloufar Raeis Hosseini,** Imperial College London, UK
15:40-16:05	**Title: A comparative study on the effect of low-power lasers on the proliferation of platelets by cell culture method *in vitro* Eng. optic and laser** **Ehsan Kamani,** Iran
16:05-16:30	**Title: A New Proof of Wave-Particle Duality of Light** **Gh Saleh,** Saleh Research Centre, Iran

Refreshment Break & Poster Session 16:30-16:45

Poster-01	**Poster Presentation** **Title: Comparison of rectus muscle plication and resection in horizontal strabismus: a systematic review** **Sam-Henry Pressling,** University of Cambridge, London

Oral Session II:
Clinical and Surgical Ophthalmology | Eye Muscle Surgery | Laser in Opthalmology

Session Chair: **Gilles Courret,** University of Applied Sciences and Arts Western Switzerland

16:45-17:10	**Title: 5.5 mm Temporal MSICS vs 5.5 mm extended incision PKE with implantation of 5.25 mm rigid IOL** **Sivaji Sarkar,** Raniganj Lions MJM Eye Hospital, India
17:10-17:35	**Title: Management of Phacomorphic Glaucoma** **Irfan Qayyuna Malik,** Gujranwala Medical College, Pakistan
17:35-18:00	**Title: Frequency Of Using Eye Care Among Persons With Diabetes And Diabetic Retinopathy In Indonesia: A Rural-Urban Comparison** **Atika Safitri,** Gadjah Mada University, Indonesia
18:00-18:20	**Title: Total or Subtotal Replacement of Tarsal Plate by Silicone Plate for Upper Eye Lid Reconstruction in Malignant Tumors** **Salil Kumar Mandal,** KPC Medical College, India

Conference Adjournment