

# European Lasers, Photonics and Optics Technologies Summit

September 22-23, 2021 | Online Event

## TENTATIVE PROGRAM

Theme: Multifaceted aspects of Lasers, Photonics & Optics Technologies

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# TENTATIVE PROGRAM

## Keynote Presentations

Title: Planar optical waveguide engineering using ultrafast laser plasma doping process

**Gin Jose, University of Leeds, United Kingdom**

Title: Desirable control of optical frequency comb subjected to optical perturbation

**Pramod Kumar, University of Exeter, UK**

Title: Photonic crystal-assisted frequency conversion sol-gel coatings for energy applications

**Rui M. Almeida, Instituto Superior Tecnico, Poland**

Title: A review of high-power femtosecond MID-IR laser systems for attosecond science and spectroscopy

**Mark J. Prandolini, Universitat Hamburg, Germany**

Title: Photonics and Electronics on the Nanoscale and their Monolithic Integration

**Lars Thylen, Royal Institute of Technology, Sweden**

Title: Functional transillumination imaging of animal body with NIR light scattering

**Koichi Shimizu, Waseda University, Japan**

Title: Nanoplasmonics enabled multi-dimensional optical multiplexing

**Xiangping Li, Jinan University, China**

Title: The Effect of Photostimulation Treatment on Central Nervous System Diseases

**Yair Lampl, Edith Wolfson Medical Center, Israel**

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# TENTATIVE PROGRAM

## Oral Presentations

Title: Rare Earth Elements: Here, There, and Everywhere

**Robert Uhrin, XLight Corporation, USA**

Title: Advanced Fiber-based Probes for BioMedical OCT Imaging Applications

**Baishi Wang, Thorlabs Vytran Division, USA**

Title: Towards all-optical atom chips based on optical waveguides

**Yuri B. Ovchinnikov, National Physical Laboratory, UK**

Title: Coherent Radiation From Inverse Compton Scattering Sources by Means of Particle Confinement in an Optical Lattice

**Arya Fallahi, ETH Zurich, Switzerland**

Title: Planar Cavityless Topological Laser

**Alexander Palatnik, Dresden University of Technology, Germany**

Title: Cell-type specific responses of cerebellar GABAergic neurons to photostimulation

**Victor Z Han, University of Washington, USA**

Title: Circular Defect in Photonic Crystal (CirD) Laser for Intra-chip Optical Interconnects

**Masahiko Kondow, Osaka University, Japan**

Title: Potential of GaInN-based multi-quantum shell (MQS) lasers composed of GaN nanowire cores and GaInN/GaN shells

**Satoshi Kamiyama, Meijo University, Japan**

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## TENTATIVE PROGRAM

Title: New method of rapid control of the effectiveness of malignancies therapy-functional microwave thermography

**Sergey Zinovyev, Blokhin National Medical Research Center of Oncology, Russia**

Title: Aberration-insensitive interferometric microscopy

**Andriy Shevchenko, Aalto University, Finland**

Title: Dynamic Parameter Measurement of Ultra-Narrow-Linewidth Lasers

**Ligang Huang, Chongqing University, China**

Title: Photoexcitation Dynamics in Perovskite Solar Cells

**Run Long, Beijing Normal University, China**

Title: Critical role of interface contact modulation in realizing low-temperature fabrication of efficient and stable CsPbI<sub>2</sub>Br<sub>2</sub> perovskite solar cells

**Zhigang Zang, Chongqing University, China**

Title: Elliptical core fiber optic anemometer with temperature compensation

**Ran Gao, Beijing Institute of Technology, China**

Title: Computer vision aided monitoring in optical networks

**Wenbo Zhang, Beijing University of Posts and Telecommunications, China**

Title: Effect of Different Pressures and Temperatures on Electronics Band of ZnO Zinc Blende Structure a Molecular Dynamics Predictions

**Yahia Chergui, University of Boumerdes, Algeria**

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## TENTATIVE PROGRAM

Title: Development of the Calibration of the Radioisotope Density Meter

**Ulugbek Ashrapov**, The Institute of Nuclear Physics of Academy Sciences, Republic of Uzbekistan

Oral Slots are Available

### Poster Presentations

Title: Multiple projection laser microscopy on a chip in the ulbricht integrating sphere (MPLM-UIS)

**Oleg V. Gradov**, Russian Academy of Sciences, Russia

Title: Fabrication and characterization of Micro LED chip and array

**Li Jing**, Institute of Semiconductors, China

Title: Technological developments and future perspectives of metamaterials for microwave applications

**Amina Bendaoudi**, LEPO Laboratory, Algeria

Poster Slots are Available

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## QUERIES? CONTACT

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