

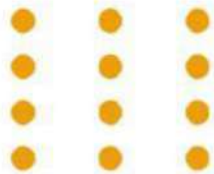


**FINAL PROGRAMME**  
2nd EDITION OF EUROPEAN SUMMIT ON

# ELOPS-2024

**LASER OPTICS & PHOTONICS TECHNOLOGY**


**25 NOVEMBER 2024 | WEBINER**



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# DAY 1 | NOVEMBER 25, 2024

**Time Zone: London, UK (GMT+1)**

**09:00-09:30 Opening Ceremony**

**Plenary and Invited Session**

**Conference Chair: Chigrinov Vladimir, Hong Kong**

09:30-10:10	P	<b>Title: Liquid Crystal Photoalignment: A New Technology for Display and Photonics Devices</b> Chigrinov Vladimir, Hong Kong University of Science and Technology, Hong Kong
10:10-10:35	I	<b>Title: Broadband Optical Parametric Amplifier Using Periodically Poled LiNbO3</b> Masaki Asobe, Tokai University, Japan
10:35-11:00	I	<b>Title: Development of a Photo-Technological Water Reclamation Technology: The Combination of Photocatalytic Reaction and Ceramic Flat Membrane Filtration</b> Ryosuke Homma, Kyoto University, Japan
11:00-11:25	I	<b>Title: Surface Plasmon-Cavity Hybrid State at THz frequencies and Its Graphene Modulation</b> Yifei Zhang, Shandong University, China
11:25-11:50	I	<b>Title: The Excitations and Luminescences in Various Mn(II) Based Semiconductors.</b> Bingsuo Zou, Guangxi University, China
11:50-12:15	I	<b>Title: Quantum Precision Measurement of Electric Field and Magnetic Field and Their Application in Space Science</b> Meng Shi, Chinese Academy of Sciences, Technology and Engineering Center for Space Utilization, China
12:15-12:40	I	<b>Title: Microfiber Sensors Design Based on Hollow Core Fibers</b> Jin Li, Northwest A&F University, China
12:40-13:05	I	<b>Title: Disturbance Pre-Screening Method of Phase OTDR Based on Neighbor Coherence Analysis</b> Zhou Sha, Tianjin University, China
13:05-13:45	P	<b>Title: In Vivo Multiphoton Microscopy and Multiphoton Absorption Based Laser Therapy</b> Haishan Zeng, University of British Columbia, Canada
13:45-14:10	I	<b>Title: Preparation of Layers of Micro/Nanofibers for Using in Photodynamic Therapy</b> Aiman Albekova, UCT Ptague, Czech Republic
14:10-14:35	I	<b>Title: Band-Gap Materials Investigation Towards Highoptical Photovoltaic Power Transmission</b> Eduardo F. Fernández, University of Jaen, Spain
14:35-15:00	I	<b>Title: Observing Red Blood Cells Aggregation Phenomens through Optical Methods</b> Ilya Fine, ELFI-TECH Ltd, Israel
15:00-15:25	I	<b>Title: Generation of Multiple Triplet States in Orthogonal Bodipy Dimer: A Breakthrough Spectroscopic and Theoretical Approach</b> Inmaculada García Moreno, Institute of Physical Chemistry Blas Cabrera CSIC, Spain
15:25-15:50	I	<b>Title: 40 Years of Chaos in Lasers : From its Control to Synchronization</b> Riccardo Meucci, CNR-INO, Italy
15:50-16:15	I	<b>Title: Laser Technology to Process Thermoelectric Oxide Materials</b> Nuno Ferreira, University of Aveiro, Portugal
16:15-16:40	I	<b>Title: Optical Gas Sensors Based on Perovskite Nanocrystals With Air Sensitive Amplified Spontaneous Emission</b> Marco Anni, University of Salento, Italy
16:40-17:20	P	<b>Title: AI-Optical Imaged Guided Robotic Surgeries</b> Jin U. Kang, Johns Hopkins University, USA
17:20-18:00	P	<b>Title: TBA</b> Zhongping Chen, University of California, USA
18:00-18:25	I	<b>Title: Photonic Processing for Next-Generation Thin-Film Transistors and Devices</b> Sarah Swisher, University of Minnesota, USA
18:25-18:50	I	<b>Title: Development of Fiber Optic Sensors in the State of Chiapas, Mexico</b> Jorge Luis Camas Anzueto, Technological Institute of Tuxtla Gutiérrez, Mexico
18:50-19:15	I	<b>Title: Effect of Human Skin Phototype on Optical Diagnostics and Spectroscopy</b> Luismar Barbosa da Cruz Junior, Federal Institute of Education, Science, and Technology of São Paulo, Brazil
19:15-19:40	I	<b>Title: Characterization of Topography Hidden Under Paint by Means of Qualitative Algorithms Robust to Frame Number and Non-Uniform Illumination.</b> Erik Baradit, University of Bío-Bío, Chile

**End of Day 1**