

FINAL PROGRAM



SEPTEMBER 25

2023

3<sup>RD</sup> EDITION OF

**EUROPEAN LASERS,  
PHOTONICS AND  
OPTICS TECHNOLOGIES  
SUMMIT**



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# DAY 01

## MONDAY, SEPTEMBER 25



### KEYNOTE PRESENTATIONS

Central European Summer Time (CEST)	Local Timings	
09:30-10:00		<b>AV Check</b>
10:00-10:10		<b>Opening Ceremony</b>
10:10-10:50	16:10-16:50	<b>Vladimir Chigrinov, Hong Kong University of Science and Technology, Hong Kong</b> Title: Photoalignment and photopatterning technology for liquid crystal devices
10:50-11:30	16:50-17:30	<b>Thomas J Webster, Hebei University of Technology, China</b> Title: Laser fabricated green nanoparticles: The future of medicine
11:30-12:10	12:30-13:10	<b>Vladimir V Rumyantsev, A.A. Galkin Institute for Physics and Engineering, Russia</b> Title: Polaritonic excitations in non-ideal lattices of coupled microcavities containing quantum dots

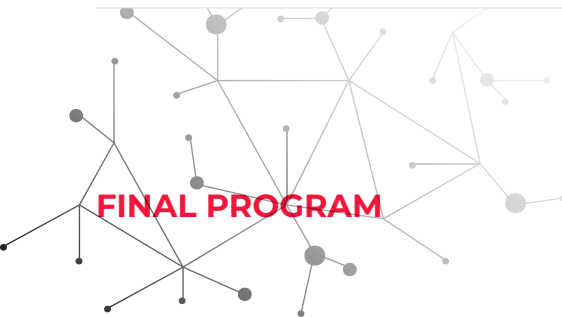
### ORAL PRESENTATIONS

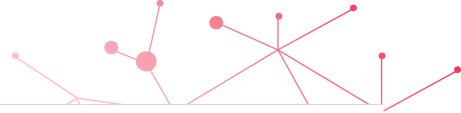
12:10-12:30	19:10-19:30	<b>Byeong Hoon Park, Pohang University of Science &amp; Technology, Korea, Republic of</b> Title: Non-invasive infrared diagnoses, via angle-coherent tomographic infrared spectroscopy, realized via 3D photonic quantum ring laser
12:30-12:50	18:30-18:50	<b>Jingjing Guo, Beihang University, China</b> Title: Nanocomposite optical tactile sensor for health care and human-machine interface
12:50-13:10	18:50-19:10	<b>Wei Liu, Northwestern Polytechnical University, China</b> Title: Investigation on GaN/AlGaIn ultraviolet light-emitting diodes with different thickness of first AlGaIn barrier layer
13:10-13:30	19:10-19:30	<b>Xin Chen, Xidian University, China</b> Title: Laser direct writing of nonlinear photonic crystals and their applications in nonlinear frequency conversion
13:30-13:50	19:30-19:50	<b>Honggui Li, Yangzhou University, China</b> Title: Cswin2sr: Circular swin2sr for compressed image super-resolution
13:50-14:10	13:50-14:10	<b>Yue Feng, University in Tromso, Norway</b> Title: Repeatability and agreement of total corneal astigmatism measured in keratoconic eyes using four current devices





14:10-14:30	14:10-14:30	<b>Reinhold Noe, Paderborn University, Germany</b> Title: Correct optical and universal noise figures
14:30-14:50	14:30-14:50	<b>Robert Buenker, University of Wuppertal, Germany</b> Title: The failure of both Einstein's space-time theory and his equivalence principle and their resolution by the uniform scaling method
14:50-15:10	19:50-20:10	<b>Nikolai Kosarev, Siberian Federal University, Russian Federation</b> Title: Efficiency of two-step photoionization of barium atoms through excited $^3P_1$ state
15:10-15:30	20:10-20:30	<b>Almas Sadreev, L.V. Kirensky Institute of Physics, Russian Federation</b> Title: Multi scale optimization of several coaxial disks targeted on maximal Q-factor
15:30-15:50	14:30-14:50	<b>Mojtaba Ahmadih Khanesar, University of Nottingham, United Kingdom</b> Title: Optical metrology devices for industrial robot calibration using intelligent optimization approaches
15:50-16:10	14:50-15:10	<b>Ben Campbell Biezanek, Distinguished Researcher, United Kingdom</b> Title: Quantum-Time; the arithmetic of the clocks
16:10-16:30	10:10-10:30	<b>Erol Sancaktar, University of Akron, United States</b> Title: Using excimer laser to manufacture stimulative and stimuli responsive membranes
16:30-16:50	20:00-20:20	<b>Moumita Das, Malda College, India</b> Title: Two-mode squeezed states in four wave mixing process
16:50-17:10	20:20-20:40	<b>Meera Ramrakhiami, Rani Durgavati University, India</b> Title: Estimation of power output and conversion efficiency for quantum dot lasers
17:10-17:30	20:40-21:00	<b>Apurva Kumari Singh, B V Raju Institute of Technology, India</b> Title: Implementation and comprehension of hardware based on field programmable gate arrays for real time Image processing
17:30-17:50	18:30-18:50	<b>Vladimir V Egorov, FSRC "Crystallography and Photonics" RAS, Russian Federation</b> Title: Quantum classical mechanics: Principles, applications, and prospects
17:50-18:10	18:50-19:10	<b>Vladimir Koltsov, Khlopin Radium Institute, Russian Federation</b> Title: On the width of $\gamma$ -line and the photon structure
18:10-18:30	19:10-19:30	<b>Oleg Gradov, FRCCP RAS, Russian Federation</b> Title: Externally controlled autowave reaction-diffusion structures in soft matter media and labyrinth instability patterns of ferrofluids as dynamic grooves for open microfluidic/optofluidic chips with variable geometry on the lens-less holographic detector
18:30-18:50	10:30-10:50	<b>Carlos A Hernandez Gutierrez, Ecnologico Nacional de Mexico Campus Tuxtla, Mexico</b> Title: UV-LED Characterization and design strategies for water treatment





18:50-19:10	19:50-20:10	<b>Valentyn Nastasenکو, Kherson State Maritime Academy, Ukraine</b> Title: On the possibility of experimental determination of the mass of photons
19:10-19:30	18:10-18:30	<b>Fatima Zahra Siyouri, Mohamed V University, Morocco</b> Title: The quantification of quantum dissonance in an open bipartite system
19:30-19:50	18:30-18:50	<b>Mohamed Daris, Self Researcher, Morocco</b> Title: The solution of the Schrodinger equation from the link between quantum mechanics and relativity
19:50-20:10	13:50-14:10	<b>Frederick H Silver, Rutgers, United States</b> Title: Photonics and vibrational analysis together make a new tool to noninvasively study the mechanical properties of soft tissues
20:10-20:30	21:10-21:30	<b>Mayur Kumar Chhipa, ISBAT University, Uganda</b> Title: Photonic devices for photonic integrated circuits

## KEYNOTE PRESENTATION

20:30-21:10	12:30-13:10	<b>Francisco Bulnes, IINAMEI, Mexico</b> Title: Fermion derived products from an electromagnetic plasma reactor
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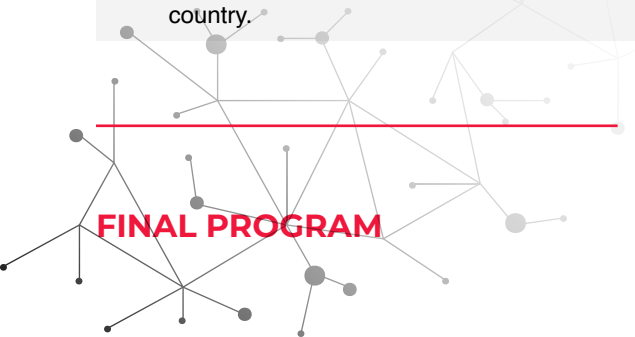
## POSTER PRESENTATION

21:10-21:20	20:10-20:20	<b>Sara Ezairi, Hassan II University of Casablanca, Morocco</b> Title: Optical properties of trivalent doped perovskite $R1-xAxMnO_3$
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**Note:**

- Sometimes there may be small changes in the program due to technical problems or presenters not showing up. To avoid missing any presentations, all presenters are asked to be available for the entire day of their presentation.
- When the program refers to "Local Timings," it means that the timing mentioned is based on the time zone of the presenter's country.

## END NOTE



*We wish to meet you again at  
our upcoming event!!*

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**QUERIES? CONTACT**

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