4th International Conference on

Optics, Lasers and Photonics

18-19 May 2026 | Online & Virtual

+447426060443
david@scholarsevents.org
https://scholarsconferences.com/optics-photonics-lasers/

Day 01 | May 18, 2026 | Virtual | GMT+2			
Welcome Speech	**09:30-09:45**	Opening Ceremony: Welcome Speech by Conference Chair: **Oren Aharon,** Founder & CTO, Duma Optronics, Israel	Local Time
Keynote	**09:45-10:15**	**Title:** From Autocollimator to Optical Powerhouse: Toward the Total Station Laboratory **Oren Aharon**, Duma Optronics, Israel	Israel (10:45)
Keynote	**10:15-10:45**	**Title:** Multifunctional Nanophosphor for Thermometry, Anticounterfeiting, Scintillation, and Bioimaging **Minakshi Jha,** Bharati Vidyapeeth, DUDET, Navi Mumbai, India	India (13:45)
Speaker	**10:45-11:10**	**Title:** Numerical Study on the Potential Enhancement of Organic Terahertz Sources through Tilted Pulse Front Pumping **Gyula Polónyi,** University of Pécs, Hungary	Hungary (10:45)
Networking & Refreshments Break @ 11:10-11:30			
Speaker	**11:30-11:55**	**Title:** Current Trends in Active Optical Antennas for Multispectral Photodetection: A Review **Junada Kullolli,** Beijing Institute of Technology, China	China (17:30)
Speaker	**11:55-12:20**	**Title:** Femtosecond Laser Patterning of Bio-based Epoxy Floor Coatings with Wax Additives for Enhanced Hydrophobicity **Pieter Samyn,** SIRRIS, Belgium	Belguim (11:55)
Speaker	**12:20-12:45**	**Title:** Highlighting Additional Lighting Effects to Improve Photovoltaic Performance of Solar Cells and Beyond **Ivana Validzic,** University of Belgrade, Serbia	Serbia (12:20)
Speaker	**12:45-13:10**	**Title:** Model Wave Interference Experiments for Analog Optical Computing **Dmitry Yu. Tsipenyuk,** Moscow Institute of Physics and Technology, Russia	Russia (13:45)

Networking & Refreshments Break @ 13:10-13:30			
Speaker	**13:30-13:55**	**Title:** Nanophysics as an Innovation Discovery **Vladimir V. Egorov,** National Research Center "Kurchatov Institute", Russia	Russia (14:30)
Speaker	**13:55-14:20**	**Title**: Miniaturized Fiber-optic Endoscopes Using Metasurface Optics: A Simulation-driven Design Approach **Charles Taylor,** Ozen Engineering, Inc., USA	USA (07:55)
Speaker	**14:20-14:45**	**Title:** Ionizing Cylindrical Shock in A Rotating Self-Gravitating Dusty Gas with Magnetized Isothermal Flow **Aniruddha Sharma,** IIT Roorkee, India	India (17:50)
Keynote	**14:45-15:10**	**Title:** Retinal Imaging with Cellular-level Resolution **Mircea Mujat,** 8x R&D, LLC., USA	USA (08:45)
Keynote	**15:10-15:45**	**Title:** Single Frequency Semiconductor Diode Laser and Its Application in Fiber Laser Technology **Meg Mahat,** Rider University, USA	USA (09:10)
Speaker	**15:45-16:10**	**Title:** Cell Analysis Based on SPR in the Infrared Range **Georgi Lalev Dyankov**, Institute of Optical Materials and Technologies, Bulgaria	Bulgaria(16:45)
Networking & Refreshments Break @ 16:10-16:30			
Speaker	**16:30-16:55**	**Title:** Standardizing Clinical Assessment in Optometry: The Emerging Role of AI-Assisted Technologies **Devanshi Dalal**, KD Institute of Optometry, India	India (20:00)
Speaker	**16:55-17:20**	**Title:** Comparative Study of Pulsed Laser Deposition and Magnetron Sputtering Applied for WO3 Deposition **Georgi Lalev Dyankov**, Institute of Optical Materials and Technologies, Bulgaria	Bulgaria(17:55)
Speaker	**17:20-17:45**	**Title:** Cross-Layer Design of Highly Scalable and Energy-Efficient AI Accelerator Systems Using Photonic Integrated Circuits **Sairam Sri Vatsavai,** Brookhaven National Laboratory, USA	USA (11:20)
Panel Discussions & B2B Meeting			
Day 01 End | Closing Ceremony			

Day 02 | May 19, 2026 | Virtual | GMT+2			
Keynote	**09:30-10:00**	**Title:** Computational Photonics with Physics-Guided AI: Recovering Three-Dimensional Structure from Diffuse Light in Biological Tissue **Koichi Shimizu,** Xidian University, China	China (15:30)
Speaker	**10:00-10:25**	**Title:** Design, Development, and Clinical Evaluation of the Arjun's Royal Air Force Device for Assessing Near Point of Convergence and Near Point of Accommodation **Sanjay H. Mehta,** Tower Optics, India	India (13:30)
Speaker	**10:25-10:50**	**Title:** Innovative Role of Scleral Lenses in Enhancing Visual Function and Quality of Life in Patients with Irregular Corneal Disorders: A Prospective Pre- and Post-Interventional Clinical Study **Akella Lakshmi Sowjanya,** Bhartimaiya college of Optometry, India	India (13:55)
Refreshments Break @ 10:50-11:10			
Speaker	**11:10-11:35**	**Title:** Neuro-Optical Dissociation in Keratoconus: Evidence of Dissociation Between Wavefront-Corrected Retinal Image Quality and Cortical Binocular Integration **Nayan Gupta**, Galgotias University, India	India (14:45)
Speaker	**11:35-12:00**	**Title:** From Retina to Qubits: How Quantum Optics Could Redefine Vision Science **Sourabh Jandyal**, Galgotias University, India	India (15:10)
Keynote	**12:00-12:30**	**Title:** Optics, Photonics, and Laser Engineering **Ray Chen,** University of Texas at Austin, USA	Taiwan (18:00)
Speaker	**12:30-12:55**	**Title:** Bridging Patient and Provider Perspectives in Eye-Care Utilization: A Multilevel Analysis of Psychosocial Determinants and System Barriers in Jharkhand **Debanjali Bhattacharjee,** Sushant University, India	India (16:00)
Refreshments Break @ 12:55-13:15			
Speaker	**13:15-13:50**	**Title:** Optics, Photonics, and Laser Engineering **Camille Stavrakas-Mattéi,** Exploratorium, USA	USA (07:35)
Keynote	**13:50-14:20**	**Title:**Core Needle Biopsy Guidance Using ML-Assisted OCT Imaging: The 1st In Humans Study **Nicusor Iftimia,** Physical Sciences Inc., USA	USA (08:00)
Speaker	**14:20-14:45**	**Title:** Laser Trabeculoplasty in Treatment of Glaucoma **Babak Eliassi-rad,** Boston, Massachusetts, USA	USA (08:35)
Panel Discussions & B2B Meeting			
Day 02 Virtual End | Closing Ceremony			