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PANGEA GLOBAL EVENTS

International Conference and Expo on

Laser, Optics & Photonics

September 13-15, 2021 | Webinar

Day 1, September 13, 2021 CEST (EUROPE) GMT+1	
Starts @ London Time Zone	
	Plenary and Keynote Sessions
07:00-07:30	**Title**: High Bandwidth Applications of Integrated Kerr Optical Micro Combs
	David J. Moss, Swinburne University of Technology, Australia
07:30-08:00	**Title**: Development of Multi-Color Multi-Modal Microscopy
	Takayoshi Kobayashi, University of Electro-Communications, Japan
08:00-08:30	**Title**: 2-Dimensional Mxenes Materials and their Applications in Photonics
	Harith Bin Ahmad, University of Malaya, Malaysia
08:30-09:00	**Title**: Novel Topological Phenomena Demonstrated in Photonic Lattices
	Zhigang Chen, Nankai University, China
09:00-09:30	**Title**: Quantum-Classical Mechanics: Principles, Applications, and Prospects
	Vladimir Valentinovich Egorov, Russian Academy of Sciences, Russian Federation
09:30-10:00	**Title**: Octave-Spanning Dispersion Manipulating and Applications in Integrated Silicon Nitride Waveguide
	Yang Yue, Nankai University, China
	Speaker Sessions
10:00-10:25	**Title**: Atmospheric Channel State Estimation for Free Space Optical Communication
	Dagang Jiang, University of Electronic Science and Technology, China
10:25-10:50	**Title**: Precise Quantum Engineering of the Light Matter Interaction in an Imperfect Qubit System
	Ying Yan, Soochow University, China
10:50-11:15	**Title**: Simulation Method of Single-Layer Phase Screen with Pointing Errors
	Xin Liu, University of Electronic Science and Technology, China
11:15-11:40	**Title**: Excitation Energies in Organic Chromospheres and Dyes Through the Exciton Model within DFT
	Alman.K.Roy, Indian Institute of Science Education and Research, India
11:40-12:05	**Title**: Non-Destructive Optical Techniques for Optoelectronic Characterization of Semiconductor Materials with Band Gap Ranging from Infrared to Ultraviolet: Germanium Alloys, Organic-Metal Perovskites, Carbides, Nitrides, Oxides and Diamonds
	Patrik Scajev, Vilnius University, Lithuania

12:05-12:30	**Title**: Tunability of Topological Charge Lasing of Bound States Continuum
	Sughra Mohamed, University of Eastern Finland, Finland
12:30-12:55	**Title**: Small Size and High Sensitive GFRP Mandrel Based Fiber Optic Hydrophone Array
	Emrah Ilbey, Chief Engineer of Laser Optic System Design, Turkey
12:55-13:20	**Title**: Aggregation Induced Emission in Uncommon Media
	Joaquín Calixto García Martínez, Universidad de Castilla-La Mancha, Spain
13:20-13:45	**Title**: Fundamentals and Applications of Induced Fluorescence by Molecular Aggregation
	Amparo Navarro Rascón, Universidad de Castilla-La Mancha, Spain
13:45-14:10	**Title**: Properties of Building and Construction Materials Creating Terahertz Communication Opportunities
	Aleksander Zidansek, University of Maribor, Slovenia
14:10-14:35	**Title**: Micro-Optical Devices for Medical Applications
	Paddy French, Delft University, The Netherlands
14:35-15:00	**Title**: Deep Learning Enhanced Digital Holography for Characterization of Nanoparticles and Soft Matter
	Daniel Midtvedt, Chalmers University of Technology, Sweden
End of the Sessions	

Day 2, September 14, 2021 EDT (USA) GMT-4	
Starts @ New York Time Zone	
	Plenary and Keynote Sessions
07:30-08:00	**Title**: The Description of a Photon in Connection With a Proton
	Anna Beckarra, Eindhoven University of Technology, The Netherlands
08:00-08:30	**Title**: Topological Defects in Nematic Liquid Crystals: Laboratory of Fundamental Physics
	Samo Kralj, University of Maribor, Slovenia
08:30-09:00	**Title**: Reconfigurable Nanophotonic Structures Enabled by Phase-Change Materials
	Ali Adibi, Georgia Institute of Technology, USA
09:00-09:30	**Title**: Photonics for Machine Intelligence
	Volker J. Sorger, George Washington University, USA
09:30-10:00	**Title**: Ultrafast-Laser-Based Figuring and Polishing of Optical Materials
	Jie Qiao, University of Rochester, USA

10:00-10:30	**Title**: Development of a Rotational Shearing Interferometer for Detection of Habitable Exoplanets
	Marija Strojnik, Optics Research Center, Mexico
10:30-11:00	**Title**: Communicating Underwater Using Laser Light Carrying Orbital Momentum and Machine Learning
	Svetlana Avramov Zamurovic, United States Naval Academy, USA
11:00-11:30	**Title**: What Challenges Data Center Connectivity in Optical Industry for the Next 5-10 Years?
	Frank Chang, Source Photonics Chief Engineer, USA
	Speaker Sessions
11:30-11:55	**Title**: Employing Temperature for Image Generation and Sensing Applications Via Metasurfaces
	Mohsen Rahmani, Nottingham Trent University, UK
11:55-12:20	**Title**: Deep-Learning Enabled Light-Matter Interactions in Resonant Dielectric Nanostructures
	Lei Xu, Nottingham Trent University, UK
12:20-12:45	**Title**: The Manufacturability of Optical Metamaterial Notch Filters Based on Silver Nanoparticles with Regulated Morphology
	James Monks, Bangor University, Qioptiq Ltd, UK
12:45-13:10	**Title**: Development of the Quantum Well Structure for Optoelectronic Applications
	Aissat Abdelkader, University of Blida, Algeria
13:10-13:35	**Title**: Interface of Optics and Gravitation: The Physical Metric in General Relativity and Size of Black Holes and Neutron Stars
	Yukio Tomozawa, University of Michigan, USA
13:35-14:00	**Title**: Noninvasive Blood Glucose Detection Using Midinfrared Quantum Cascade Laser
	Shazzad Rassel, University of Waterloo, Canada
End of the Sessions	
***Note: This is a Tentative Program, it is Subjected to slight changes till Final Program	