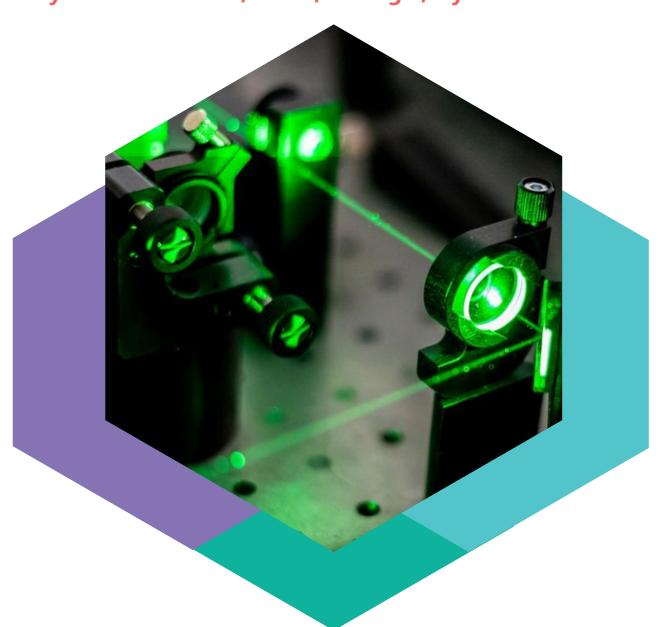


OPTICS-2022

April 21-23, 2022 | Porto, Portugal Holiday Inn Porto - Gaia, Porto, Portugal, Hybrid Conference



CONTINUUM FORUMS

56, North Market Road, Ranchi Jharkhand-834001, India Email: event@continuumforums.com

Main Hall			
08:00 - 09:00	On Spot Registrations		
	Introduction & Opening Speech		
09:00-09:15	Honorary Speech by Chair: Prof. Roberto Morandotti, INRS-EMT, Canada		
		Plenary Session	
		Title: Novel VCSEL Designs for Next Generations of Photonic Systems	
09:15-09:55	P	Dieter Bimberg, "Bimberg Chinese-German Center for Green Photonics" CIOMP of CAS China and Center for NanoPhotonics TU Berlin, Germany	
09:55-10:35	Р	Title: Integrated and Fiber-Based Components for Affordable and Scalable Quantum Technologies	
		Roberto Morandotti, INRS-EMT, Canada	
		Title: Opticsin the Fixed Network Evolution	
10:35-11:15	P	Jinlong Wei, Huawei Technologies Düsseldorf GmbH, European Research Center, Germany	
11:15-11:30		Coffee Break	
		Keynote Session	
11:30-12:00	K	Title: Bio-Hybrid Photoactive Interfaces for Optical Modulation of Living Cell Fate	
		Maria Rosa Antognazza, Italian Institute of Technology, Italy	
		Title: Controllable Giant GHz-THz Nonlinearities in Superlattices	
12:00-12:30	K	Mauro Fernandes Pereira, Khalifa University of Science and Technology, UAE	
12:30-13:00	K	Title: Femtosecond Laser Technology in Biomedicine	
		Karsten Koenig, Saarland University, Germany	
13:00-13:10	Group photo		
13:10-14:00	Lunch Break		

		Invited Session	
Session:01	Biomedical Optics Nonlinear Optics Optical Computing Optical Fiber Technology Biophotonics and Microwave Photonics		
14:00-14:25	I	Title: Compressive Sensing Studies on Digital Holographic Microto- mography of Isolated Microfibers	
		Elsa Fonseca, University of Beira Interior, Portugal	
14:25-14:50	I	Title: Ray-Wave Dual Descriptions of Classical Light: A Path Integral Story	
		James Babington, Thales Group, UK	
14:50-15:15	I	Title: New Optical Method for the Non-Invasive Determination of the Sun Protection Factor of Sunscreens	
		Lademann Juergen, Charite - University Medicine Berlin, Germany	
15:15-15:30		Coffee Break	
45.00.45.55		Title: Electron Manipulation Using Low-Energy THz Pulse	
15:30-15:55	I	Zoltan Tibai, University of Pecs, Hungary	
15:55-16:20	I	Title: Special Fibers for Simultaneous Multiparameter Optical Sensing	
		Gabriela Statkiewicz-Barabach, Wroclaw University of Science and Technology, Poland	
16:20-16:45	I	Title: Single-Cell Characterization of Microalgae by Multispectral Chemical Imaging	
		Julia Sophie Boeke, Leibniz Institute of Photonic Technology, Germany	
		Closing the Conference for Day 1	

Session Chair	Prof.	Prof. Mario Ferreira, University of Aveiro, Portugal		
Keynote Session				
10:00-10:30	К	Title: Demultiplexer Technology Based On Cascaded MMI and Angled MMI Waveguides		
		Dror Malka, Holon Institute of Technology - HIT, Israel		
		Invited Session		
Session:01	Appl Sen	Photonic Integrated Circuit & Organic Photonic Materials Applications of Nonlinear Optics & Optical Fiber Technology Semiconductor Lasers, Materials and Applications Wave Propagation		
10.20 10.55	_	Title: Highly Nonlinear Optical Fibers		
10:30-10:55	I	Mario Ferreira, University of Aveiro, Portugal		
10:55-11:20	I	Title: Re-Growth and Grating-Free High Speed Electro-Absorption Modulated Lasers for Short Haul Communication		
		Xing Dai, Tyndall National Insititute, Ireland		
11:20-11:35	Coffee Break			
11:35-12:00		Title: Electrically Pumped Mid-IR Solitons and Chaotic Light		
11:55-12:00	I	Martin Franckie, ETH Zurich, Switzerland		
12:00-12:25	I	Title: Coherent Arrays of Oxide-Confined VCSELs for Datacom and Sensing Applications		
		Vitaly Shchukin, Vertically Integrated Systems, Germany		
12:25-12:50	I	Title: Articular Cartilage Characterization by Combining Infrared, Near-Infrared and Raman Spectral Data		
		Rubina Shaikh, Technological University Dublin, Ireland		
12:50-13:15	I	Title: Deep Neural Networks for Fringe analysis		
12.30-13.13		Mariano Rivera Meraz, CIMAT, Mexico		
		End of the Physical Conference		

Day 1 April	- 22, 20			
Virtual Presentations				
Lonodn Time Zone (GMT+1)				
10:00-10:40	P	Title: The Interplay of Topology and Nonlinearity in Photonics		
		Zhigang Chen, Nankai University, China		
10:40-11:05	I	Title: Implementation of Injection-locked Fabry Perot Lasers as Activation Unit in Photonic Neural Networks		
		Jasna Crnjanski, University of Belgrade, Serbia		
11.05 11.20		Title: Will Update Soon		
11:05-11:30	I	Rekha Gautam, Tyndall National Institute, Ireland		
11:30-11:55	ı	Title: Will Update Soon		
11:30-11:33	1	Mohsen Rahmani, Nottingham Trent University, UK		
11.55 12.20		Title: Current Developments in Low Coherent Imaging		
11:55-12:20	I	Bettina Heise, Johannes Kepler University Linz, Austria		
12.20 12.00	P	Title: Mining Gold for $\chi^{\scriptscriptstyle{(2)}}$ on the Way to Quantum Technology		
12:20-13:00		Jimmy Xu, Brown University, USA		
	I	Title: Metrology of Freeform Optics using Vision Rays		
13:00-13:25		Konstantinos Falaggis, University of North Carolina at Charlotte, USA		
42.25.42.52	I	Title: Perovskite Light Emitting Metamaterials and Devices		
13:25-13:50		Qing Gu, North Carolina State University, USA		
13:50-14:30	P	Title: Lasers, Optics and Photonics World Forum		
		Jannick rolland, University of Rochester, USA		
	I	Title: Lasers, Optics and Photonics World Forum		
14:30-14:55		Isabel C S Carvalho, Pontifical Catholic University of Rio de		

Closing the Virtual Conference for Day 2

Janeiro(PUC-Rio), Brazil

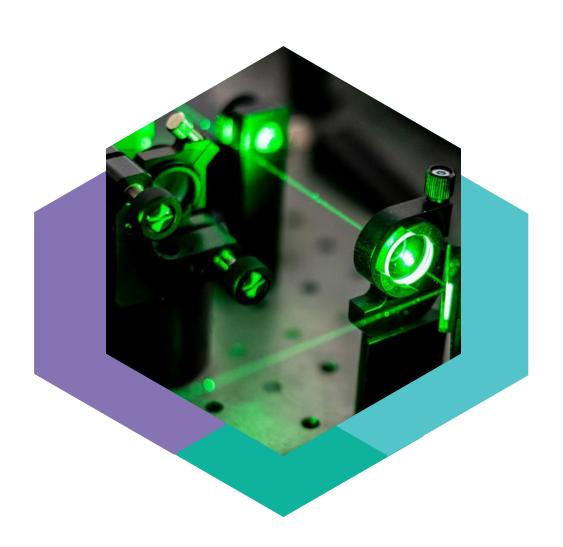
Day 2 | April - 23, 2022

Virtual Presentations Beijing Time Zone (GMT+8)		
David J Moss, Swinburne University of Technology in Melbourne, Australia		
09:40-10:05	I	Title: Second Harmonic Generation and Spontaneous Parametric Down Conversion in Dielectric Loaded Lithium Niobate Thin Film
		Jihua Zhang, The Australian National University, Australia
10:05-10:35	К	Title: 3D Human Joints Extraction and Applications Using Infrared Time-of-Flight Depth Camera
		Yang Yue, Xi'an Jiaotong University, China
40.35.44.00	I	Title: Fast Infrared Beam Steering Based on Reconfigurable Metasurfaces
10:35-11:00		Shaowei He, University of Electronic Science and Technology of China, China
44.00.44.20	K	Title: Emerging Optoelectronic Devices for 6G Wireless Optical Links
11:00-11:30		Chao Shen, Fudan University, China
11.20 11.55		Title: Frequency Selective Control of Spatial-Temporal Metasurface
11:30-11:55	1	Yan Zhang, Capital Normal University, China
11.55 12.20	I	Title: Characteristics of Bismuth-Based Frequency Comb Laser
11:55-12:20		Yutaka Fukuchi, Tokyo University of Science, Japan
12:20-12:50	K	Title: Microlasers Made from Hybrid-shell Colloidal Quantum Wells
		Sun Handong, Nanyang Technological University, Singapore
12:50-13:15	I	Title: Development of $(Ce,Gd)_3(Ga,Al)_5O_{12}$ Crystal Scintillators by the Optical Floating Zone Method
		Yun Shi, Chinese Academy of Sciences, China
13:15-13:55	P	Title: Low-power and High Frequency Optogenetic Control of Neuronal Spiking

Sukhdev Roy, Dayalbagh Educational Institute, India

13:55-14:20	I	Title: 3D/2D Switchable Augmented-reality Display System using Liquid-crystalline Microlens Array and Electrical Polarizer
		Munkh-Uchral Erdenebat, Chungbuk National University, South Korea
14:20-14:45	I	Title: Full-Color Holographic Stereogram Printing System Using Fast Digital Content Generation Based On IDP Algorithm
		Anar Khuderchuluun, Chungbuk National University, South Korea
14:45-15:10	I	Title: The LC-MLA using the Holographic Waveguide-type HOE for 2D/3D Image Switchable
		Nyamsuren Darkhanbaatar, Chungbuk National University, South Korea

End of the Virtual Conference



Upcoming Conference

LOPFORUM2023

International Forum on Lasers, Optics and Photonics
MARCH 13-15, 2023 | Las Vegas, USA

