Date		22/04/2024		
Time	Conference room A	Conference room B	Conference room C	Dining Room
9:00 - 11:00	TOOTIA	Registration	Toome	
11:00 - 11:10		Opening Remarks by Yann Amouroux		
11:10 - 11:50	Keynote - Dr Rodrigo Benevides - Toward a quantum computer network			
11:50 - 12:15				Coffee
12:15 - 12:40	Industry - Dr Alison McLeod - Photonics in Scotland			
12:40 - 12:45				
12.45 - 13:10	Industry - Dr Kirsty Annand - Beyond Academia: Navigating Career Options After Your PhD			
13:10 - 14:00				Lunch
14:00 - 14:40	Keynote - Prof Giovanni Volpe - Deep learning for microscopy and brain connectivity			
14:40 - 14:45 	Industry - Prof Thomas Volz - Quantum-cascade correlation spectroscopy of fiber cavity exciton-polaritons			
15:10 - 15:15	industry 1101 Montas voiz equalitatin custade confedences spectroscopy of fisch curry exerton polaritons			
15:10 - 15:50	Keynote - Dr Nirmal Mazumder - Multimodal nonlinear optical microscopy for biomedical applications			
15:50 - 16:15				Coffee
16:15 - 16:55	Keynote - Prof Mehul Malik - High-dimensional quantum technologies: Harnessing structured light for the quantum networks of tomorrow			
16:55 - 17:55	Panel: EDI in Photonics and Optics - Alison McLeod, Kirsty Annand, Yann Amouroux, Rodrigo Benevides			
17:55 - 18:00				Coffoo
18:00 - 20:00	Posters and Networking			Coffee
2000				Posters/networking
		23/04/2024		
09:00 - 09:15	Quantum Computing and information (Chair - Shivani Bisht)	Biophotonics and sensing and medical optics (Chair - Nirmal Raj)  Marianna Leite De Avellar - Use of Scattered Light Integrating Collector (SLIC) for rapid screening of	Industry Show floor	
09:00 - 09:15	Thomas Boullier - Time-resolved second harmonic generation on Cu2O Rydberg excitons	antimicrobial photodynamic therapy on Staphylococcus aureus  Dorian Urban - Optical Coherence Tomography with Opto-Electronic Reference Arm	Industry Show floor	
09:30 - 09:45	Russel Brooks - Quantum-safe distributed sensing	Vanya Metodieva - Combining super-resolution microscopy and optogenetics to dissect the multifaceted toxic pathways induced by amyloidogenic aggregates in neuroglial networks		
09:45 - 10:00	Max Wells-Pestell - Optimisation of weighted graphs using neutral atom arrays	Jakub Bělín (Cancelled) - A Robust Algorithm for an Incoherent Image Reconstruction through a Strongly Scattering Medium	Industry Show floor	
10:00 - 10:30	Christiaan Bekker - Quantum Memories at Scale: Developing On-chip Architectures based on	George Dwapanyin - Non-invasive assessment of the developmental potential of embryos using digital	Industry Show floor	
10.00 10.30	Solid-state Colour Centres in Silicon Carbide for Translation to Quantum Technologies	holographic microscopy	Industry Show floor	
10:30 - 11:00			Industry Show floor	Coffee
	Computational Imaging (Chair - Laurynas Valantinas)	Metaoptics and laser design (Chair - Tomasz Plaskocinski)		
11:00 - 11:15	Sergei Kurdiumov - Shape Classification of Objects Too Small to See  Euan Millar - Enhanced Resolution Fluorescence Lifetime Imaging via Computational Data	Shuhao Wu - Free-Form shaped MWIR achromatic metalens	Industry Show floor	
11:15 - 11:30	Fusion for High-Speed Cellular Electrophysiology Studies	Jianling Xiao - Flexible Holographic Metasurfaces for Curvature Sensing	Industry Show floor	
11:30 - 11:45 	Matthias Aquilina - Event-Driven LiDAR with Dynamic Neuromorphic Processing  Laurynas Valantinas - Pipelined diagonal deconvolution of Airy light-sheet microscopy	Patrick Foley - Demonstration of Laser Coherent Beam Combination  N/A	Industry Show floor Industry Show floor	
22.10	Structured Light (Chair - Charli Hamilton)	Nanophotonics (Chair - Andan Ghumro)		
12:00 - 12:15	Liam King - Frequency-domain luminescence: a new way to study operating OLEDs	Anindita Das - Investigation of a hybrid plasmonic graded enz metasurface	Industry Show floor	
12:15 - 12:30	Amin Din - Ultrafast Laser Processing: Restructuring the LHC Beam Screens In Situ	Elise Burns - Smart Hole Design for Membrane Fabrication	Industry Show floor	
12:30 - 12:45	Morgan Facchin - Multiple scattering in speckle metrology: Miracle or Mirage?	- Novel nonlinear interconnects based on low index materials	Industry Show floor	
12:45 - 13:00	Graham Bruce - Looking Through The Glass: Raman Spectroscopy of Concealed Samples in	Emma McCormick - CW lasing in a self-assembled NaYF4:Yb3+, Tm3+ Upconverting Nanoparticle Microlaser	Industry Show floor	
13:00 - 13:15	Sealed Containers Using Shaped Laser Light	Femy Francis - Fiber coupled CO2 sensors for trace gas detection using Photonic Crystal Waveguides	Industry Show floor	
13:15 - 13:30	Benjamin Butler - Structured light and light-atom interactions	Charli Hamilton - Integrated Microresonators for Kerr Comb Generation	Industry Show floor	
13:30 - 13:45	Thomas Sayner - Charge photogeneration in high performance solar cells via hole transfer from acceptor aggregates	Romuald Kilianski - Inverse design of repulsive Casimir-Polder forces	Industry Show floor	
13:45 - 14:00	N/A	Adnan Ghumro - Waveguide optical modulators using an etchless Lithium Niobate on Insulator platform	•	tt
14:00 - 15:00	Biophotonics and sensing II (Chair - Chetna Taneja)	Quantum Optics (Chair - Iain MacCuish)	Industry Show floor	Lunch
15:00 - 15:15	Chandresh Sindal - Integration of Localized Surface Plasmon Resonance Sensors with	Raul Alvarez Mendoza - Harnessing the Hong-Ou-Mandel effect for ultrafast Fluorescence Lifetime	Industry Show floor	
15:15 - 15:30	Acoustofluidic Manipulation  Sagarika Mishra - Sensing technologies for inorganic ions and organic small molecules	Sensing N/A	Industry Show floor	
15:30 - 15:45	Rebecca Craig - Shedding Light on Biological Processes: Optically Detected Magnetic Resonance with Nitrogen-Vacancy Centers	Thomas Jones - Time-domain chiral rotational spectroscopy	Industry Show floor	
15:45 - 16:00	Soumyabrata Banik - Fluorescent drug analogues to study drug-target interactions in intact cells	Zak Johnston - SI-tracible calibration of oscillating magnetic fields in ULF and VLF bands	Industry Show floor	
16:00 - 16:15	Filmon Kubrom - Imaging co-transcriptional RNA synthesis in real-time step by step and molecule by molecule	Paul Catterson (Cancelled) - Quantum Simulations using Potassium 40	Industry Show floor	
16:15 - 16:30	Pietro Esposito - Protein aggregate size and structure-dependent clearance from the brain extracellular space	N/A	Industry Show floor	
16:30 - 18:00	Posters/I	ndustry Show floor	Industry Show floor	Coffee
				Posters
19:00 - 21:20	Conference Dinner - Hotel Du Vin			
	24/04/2024			
9:00 - 09:25			Industry Show floor	
09:25 - 09:30			Industry Show floor	
09:30 - 09:55			Industry Show floor	
09:55 - 10:00			Industry Show floor	
10:00 - 11:00			Industry Show floor Industry Show floor	Coffee
11:00 - 11:55			Industry Show floor	Confee
11.55 - 12.55			Industry Show floor	
12:55 - 13:00		Dr Caroline Murawski - Organic semiconductor devices for biomedical applications Industry Show floo		
	Dr Caroline Murawski - Organic sem	iconductor devices for biomedical applications	Industry Show floor	
12:55 - 13:00	Dr Caroline Murawski - Organic sem	iconductor devices for biomedical applications  Job Fair	Industry Show floor Industry Show floor	Lunch