

Tuesday 30 August

8:45 – 9:00	Welcome and Introduction Room: Theatre						
9:00 – 9:45	Chair: Dmitry Skryabin Plenary Talk - Photonic Time-Crystals Mordechai (Moti) Segev, Technion - Israel Institute of Technology Room: Theatre						
9:45 – 10.30	Chair: Ioan Notingher Plenary Talk – Photonic non-von Neumann computing using functional materials for next-generation AI hardware Harish Bhaskaran, University of Oxford, UK Room: Theatre						
10:30 – 11:00	Refreshment Break Room: Exhibition Hall						
	A: Active and Adaptive Optics Chairs: James Osborn and Amanda Wright Room: Suite 1	B: Optical Environmental Sensing Chair: Hugh Deighton Room: Suite 2	C: Metamaterials and Plasmonics I Chair: Rohit Chikkaraddy Room: Suite 3	D - Quantum Communication I Chair: Ross Donaldson Room: Theatre	E - Nonlinear and Quantum Optics in Microresonators and Beyond I Chair: Dmitry Skryabin Room: Suite 4		
11:00 – 11:30	(Invited Talk) Title to be confirmed Tim Morris Durham University	(Invited Talk) Cavity-enhanced techniques for detection of trace species in high-temperature reacting flows Iain Burns, University of Strathclyde	(Invited Talk) Polarization and pulse manipulation in epsilon-near-zero materials Vittorio Aita, Kings College London	(Invited Talk) Exploiting angular misalignment to perform side-channel attacks on free space QKD Veronica Fernandez, Consejo Superior de Investigaciones Científicas (CSIC)	(Invited Talk) Optical frequency converters based on whispering gallery resonators made of non-centrosymmetric crystals Ingo Breunig, University of Freiburg		

11:30 - 11:45	Inside Maxwell's mind – artificial neural networks and light wave scattering Laurynas Valantinas, University of Dundee	Modeling of optical wave propagation through turbulent atmosphere using fractional approach for FSO wireless communication Abdullah Nafis Khan, Information Technology University Lahore	Strong Light–Matter Interaction in Hybrid Photonic–Plasmonic Resonators Belkis Gökbulut Boğaziçi University	Practical Spatial-Division Multiplexing for QKD Alfonso Tello Castillo Heriot-Watt University	Optical parametric generation of fully stabilized mid-infrared frequency combs Markku Vainio University of Helsinki		
11:45 - 12:00	A physics embedded machine learning approach for sensorless adaptive microscopy Qi Hu University of Oxford	Long-distance optical Imaging of Alpha Radiation Emitters using Ultra-sensitive Cameras Lingteng Kong University of Bristol	Metallic nanoring-quantum dot devices for broadband, efficient, extraction of quantum light Cori Haws University of Glasgow	Enhancing continuous-variable quantum key distribution through impairment optimization Andres Ruiz Chamorro The Institute of Physical and Information Technologies	Optical parametric generation of fully stabilized mid-infrared frequency combs Markku Vainio University of Helsinki		
12:00 – 12:15	Fractional Gouy phases to form optical bottles and photonic islands Braian Pinheiro da Silva University of Dundee	Characterization of the Impact of Hydrogen on Soot Formation in Hydrocarbon Diffusion Flames using DBIEI Technique Chaoxu Chen Imperial College London	Time-Domain Analysis of Strongly Coupled Epsilon Near-Zero Plasmonic Systems Mehdi Haji Ebrahim University of Glasgow	Quantum key distribution with a bright telecom wavelength quantum dot single-photon source Frederik Brooke Barnes Heriot-Watt University	(Invited talk) Photonic Crystal Parametric Sources Alexandre Chopin Universite of Paris Saclay		
12:15 – 12:30	Building ideal paraxial optical skyrmions using rational map Claire Cisowski University of Glasgow	Looking Through The Glass: Raman Spectroscopy of Concealed Samples in Closed Containers Using Shaped Laser Light Graham Bruce University of St Andrews	High resolution impedance imaging with plasmonic nanostructures Finlay Nelson University of Nottingham	Experimental implementation of secure anonymous protocols on an eight-user quantum key distribution network Zixin Huang Macquarie University			

12:30 – 14:00	Lunch and posters Room: Exhibition Hall 13:15 - 13:45 (Tutorial 1) How to get published Daniel Jopling and Celia Rowland, IOP Publishing Room: Conference Room 1					
	A - Ultrafast and Strong Light-Matter Interactions Chair: David Ayuso Molinero Room: Suite 1	B - Waveguide and Fiber Optic Devices and Sensors I Chairs: George Gordon and Paul Wright Room: Suite 2	C - Metamaterials and Plasmonics II Chair: Rohit Chikkaraddy Room: Suite 3	D - Quantum Communication II Chair: Ross Donaldson Room: Theatre	E - Nonlinear and Quantum Optics in Microresonators and Beyond II Chair: Dmitry Skryabin Room: Suite 4	
14:00 – 14:15	(Invited talk) Realtime tracking of the electron dynamics in complex molecules Francesca Calegari DESY	(Invited talk) New ways to look through multimode optical fibres David Phillips University of Exeter	(Invited talk) Nano-opto-mechanical Nonlinearity in Metamaterials Kevin Macdonald University of Southampton	Unscrambling Pixel Entanglement through a Complex Medium Natalia Herrera Valencia Heriot-Watt University	(Invited talk) Kerr Polarization Controllers and Bound States of Dark and Bright Solitons in Microresonators Pascal Del'Haye Max Planck Institute for The Science of Light	
14:15 – 14:30				Multiple mode phase stabilisation across integrated photonic devices Molly Thomas Bristol University		
14:30 – 14:45	High-repetition-rate laser filaments in air Mehdi Haji Ebrahim University of Glasgow	The Möbius Transformation in Coupled Wave Equations and Applications in Fibre Bragg Gratings Stefanos Koufidis Imperial College London	Tuning metasurfaces via flash localised heating Mohsen Rahmani Nottingham Trent University	Metrology to test and evaluate continuous variable QRNG and QKD hardware Siva Pradyumna Tekuru NPL	(Invited Talk) Dual mode microresonators for stable dissipative Kerr soliton operation in SiN and AlN microresonators John Donegan Trinity College Dublin	
14:45 – 15:00	Turning elliptically polarized ultrashort laser pulses into highly	Influence on the backscattered spectra of gold nanoparticle doped optical fibres for different	Optimised design of a metasurface based spectrometer for industrial applications	Noise-Robust and Loss-Tolerant Quantum Steering with Qudits Vatshal Srivastav		

	efficient chiro-optical tools Laura Rego Imperial College London	sensing lengths and nanoparticle concentrations Xiang Wang TU-Delft	Joseph Kendrick University of Huddersfield	Heriot-Watt University			
15:00 – 15:15	Controlling multiphoton transitions for strong light-matter interactions using ultrafast pulse shaping Debabrata Goswami Indian Institute of Technology Kanpur	How to cloak a multi-mode fibre Une Butaite University of Exeter	Tuning the Structural Colour of a Direct Laser Written Polymeric Multilayer Structures using Thermal Post-processing Yu-Shao Chen University of Bristol	Hollow-Core Fiber for Near-Infrared Quantum Communications Umberto Nasti Heriot-Watt University	Edge-to-bulk scattering in the photonic multimode Su-Schrieffer-Heeger model Aleksandr Tusnin EPFL		
15:15 – 15:30	Propagating Superoscillatory Electromagnetic Skyrmions Nikitas Papisimakis University of Southampton	A neuromorphic sensory system Gleb Anufriev University of Nottingham	Employing resonant GaP metasurfaces for nonlinear sum-frequency generation Mohsen Rahmani Nottingham Trent University		Topology and chirality in soliton crystals Zhiwei Fan University of Bath		
	Refreshments Break Room: Exhibition Hall						
	A - Biophotonics I Chair: Ioan Notingher Room: Suite 1	B - Waveguide and Fiber Optic Devices and Sensors II Chairs: George Gordon and Paul Wright Room: Suite 2	C - Nanophotonics and Nanoscale Quantum Optics I Chair: Nikitas Papisimakis Room: Suite 3	D - Quantum Thermodynamics and Foundations Chair: Irene D'Amico Room: Theatre	E - Nonlinear and Quantum Optics in Microresonators and Beyond III Chair: Alessia Pasquazi Room: Suite 4		
16:00 – 16:30	(Invited Talk) Multispectral and polarization-resolved endoscopic surgical imaging	(Invited Talk) Optical fibre sensors in industry: underpinning a sustainable future Kenneth T V Grattan	(Invited Talk) Chiroptical harmonic scattering effects Ventsislav Valev University of Bath	(Invited Talk) Open quantum dynamics and thermodynamics from a global point of view	(Invited Talk) Temporal solitons in coherently driven active cavities François Leo		

	Daniel Elson Imperial College London	City University		Walter Strunz TU Dresden	Université Libre De Bruxelles		
16:30 – 16:45	Characterizing structural features of myelofibrosis using Mueller matrix microscopy Yifei Ma University of Oxford	Employing quasi-degenerate optical modes for chirality sensing Shaikhah Almousa Cardiff University	Aperiodic photonic devices as a platform for nano-photonics and quantum optics experiments Luca Sapienza University of Glasgow	Precision matters: from quantum thermometry to the quantum estimation of scales, and back Jesús Rubio University of Exeter	Mid-infrared $\chi(2)$ microcomb based on parametric down-conversion Nicolas Amiune University of Freiburg		
16:45 – 17:00	Third harmonic generation deep tissue imaging with a thulium fibre laser at 1840nm. Konstantinos Bourdakos University of Southampton	Computational complexity statistical analysis of modulation instability in fibre optics Auro Michele Perego Aston University	Dynamic Random Lasers of Reconfigurable Active Colloidal Assemblies Wai Kit Ng Imperial College London	DFT-inspired approximations for quantum work Krissia De Zawadzki Royal Holloway University of London	Bright-dark solitons in the microresonator second-harmonic generation Danila Puzyrev University of Bath		
17:00 – 17:15	Model-based optimisation of laser excitation and detection to improve the signal to noise and signal contrast in biological samples Max Dooley University of Nottingham	Ultrafast laser fabricated fused silica fibre preforms Calum Ross Heriot-watt University	Perfect Chirality with Imperfect Polarisation Ben Lang University of Nottingham	On the partitioning of Energetics and Entropy in Time-Dependent Open Quantum Systems Parth Kumar University of Arizona	Mode-matched thin-film lithium niobate frequency doubler design Innokentiy Zhdanov Karlsruhe Institute of Technology (KIT)		
17:15 – 17:30		SNAP Microfluidics Gabriella Gardosi Aston university	Spectral control of random lasers Thottungal Valapu Raziman Imperial College London	Probing measurement-induced energy transfers Cyril Elouard Inria / Ens Lyon			

17:30 – 19:30	Posters / Exhibition / Reception Room: Exhibition Hall
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Wednesday 31 August

9:00 – 9:45	Chair: Alex Clark Plenary talk and RANK Prize Lecture - Manipulating and trapping particles from atoms to microbeads using optical nanofibers Sile Nic Chormaic, OIST Graduate University Room: Conference Theatre					
9:45 – 10:30	Chair: Jonathan Taylor Plenary talk – Smart microscopy for everyone with open source hardware Richard Bowman, University of Bath Room: Conference Theatre					
10:30 – 11:00	Refreshment Break Room: Exhibition Hall					
	A - Biophotonics II Chairs: Ioan Notingher Room: Suite 1	B - Integrated Photonics and Photonic Systems I Chairs: Rob Harris Room: Suite 2	C - Nanophotonics and Nanoscale Quantum Optics II Chair: Nikitas Papasimakis Room: Suite 3	D - Quantum Metrology, Imaging and Sensing I Chairs: Animesh Datta and Alastair Sinclair Room: Theatre	E - Nonlinear and Quantum Optics in Microresonators and Beyond IV Chair: Francois Leo Room: Suite 4	F - Industry Technology Programme I Room: Gallery Suite
11:00 – 11:30	(Invited talk) From Spectroscopy to Imaging: Raman scattering applications in biology and medicine Sumeet Mahajan University of Southampton	(Invited Talk) Astrophotonics: Bringing Integrated Photonic Components to the Telescope Aline Dinkelaker Leibniz Institute for Astrophysics Potsdam	(Invited Talk) Integrating homodyne detection into silicon photonics for quantum technology Jonathan Matthews University of Bristol	(Invited Talk) Quantum-enhanced interferometry for new physics Denis Martynov University of Birmingham	(Invited Talk) III-V-on-Silicon-Nitride Mode-Locked Lasers Bart Kuyken IMEC	11:00 Emerging Type-II superlattice (T2SL) for Infrared Detectors Manoj Kesaria and Dominic Kwan Cardiff University

11:30 – 11:45	uFLIM – Unsupervised analysis of FLIM-FRET microscopy data Francesco Masia Cardiff University	Large-scale integrated homodyne detector arrays for classical and quantum applications Euan J. Allen University of Bath	Individually addressable superconducting nanowire array operating in the mid-IR regime Vidur Raj University of Glasgow	Spontaneous Emission Tomography Ben Burridge QET Labs, University of Bristol	Dispersion Engineering for Kerr Frequency Comb Generation in Gallium Phosphide Photonic Crystal cavity resonators Alberto Nardi IBM Research	11:25	T2SL Research Programmes and Development Issues Charlie Turner Leonardo
11:45 – 12:00	OptoRheo: An optical instrument for non-invasive micromechanical sensing and 3D imaging of biological systems Tania Mendonca University of Nottingham	Photon storage in an interrupted waveguide Matt Overton University of Nottingham	Generation of photonic cluster states in integrated microring resonators Lucia Caspani University of Strathclyde	Quantum jump metrology with quantum feedback in cavity networks Kawthar Al Rasbi University of Leeds	Ultralow-phase-noise optically stabilised microwave generation using a self-referenced microcomb Jonathan Silver National Physical Laboratory	11:50	Photodiodes for Short-Wave Infrared (SWIR) Band Jo-Shien Ng Sheffield University
12:00 – 12:15	ATR fibre-optic distal end probe enabled by ultrafast-laser-induced selective-chemical-etching Katjana Ehrlich Heriot-Watt University	Subangstrom-precise fabrication of SNAP microresonators by optical fibre annealing with a heated nichrome wire Misha Sumetsky Aston University	Exciton–polaritons in GaAs-based slab waveguide photonic crystals Tommi Isoniemi University of Sheffield	Tuning the balance and losses in nonlinear interferometers for enhanced interaction-free mid-infrared imaging with undetected photons Nathan Gemell Imperial College London	Dual & Nested Spontaneous Symmetry Breakings of Light in Kerr Ring Resonators Lewis Hill University of Strathclyde	12:15	Break
12:15 – 12:30	Single cell cardiac contractility sensing with micro and nano lasers Soraya Caixeiro University of Cologne			Noise Rejection Through An Improved Quantum Illumination Protocol Thomas Gregory University of Glasgow	Heterogeneously integrated low-loss lithium niobate photonic platform Mikhail Churayev EPFL		
12:30 – 14:00	Lunch and Posters/ Exhibition Room: Exhibition Hall 13:15 - 13:45 (Tutorial 2) How IOP membership can advance your career Gaynor Gardner and Vishanti Fox, Institute of Physics						

Room: Conference Room 1

	A - Biophotonics III Chair: Penny Lawton Room: Suite 1	B - Integrated Photonics and Photonic Systems II Chair: Misha Sumetsky Room: Suite 2	C - Quantum Dots, Nanocrystals and Low Dimensional Materials I Chair: Luca Sapienza Room: Suite 3	D - Quantum Metrology, Imaging and Sensing II Chair: Jonathan Matthews Room: Theatre	E - Nonlinear and Quantum Optics in Microresonators and Beyond V Chair: Auro Perego Room: Suite 4		F - Industry Technology Programme I Room: Gallery Suite
14:00 – 14:30	(Invited Talk) From dental imaging to retinal imaging Alistair Bounds University of St Andrews	(Invited Talk) All optical photoacoustics and photothermal spectroscopy with hollow microresonators Gualtiero Nunzi Conti Institute of Applied Physics "N. Carrara"	(Invited Talk) A low-noise quantum dot in a one-sided microcavity Richard Warburton University of Basel	(Invited Talk) Transforming seafloor cables into a giant sensor network for Earth monitoring Giuseppe Marra NPL	(Invited Talk) Temporal cavity solitons and frequency combs via quantum interference Gian-Luca Oppo University of Strathclyde	14:00	T2SL Based IR Detectors, the Future of IR Detector Technology Ross Wheeler Teledyne e2v
14:30 – 14:45	Multiscope: Improving data reproducibility using a parallelized imaging microscope Alexander Corbett University of Exeter	Design of a lab-on-chip optical biosensor for multiplexed detection of biomarkers Francesco Masia Cardiff University	Capturing of Non-hydrogenic Rydberg Series of Exciton Binding Energy in Two-Dimensional Monolayer WS₂ Using a Modified Coulomb Potential in Fractional Space Shahzad Ahmad University of The Punjab	Covert imaging with heralded single photons Dr Steven Johnson University of Glasgow	(Invited Talk) Self emerging laser cavity solitons as dominant attractor of a microcomb system Alessia Pasquazi University of Sussex	14:25	Global Shifts in the Semiconductor Industry and its Implications for the UK Economy Mark Goossens CSA Catapult

14:45 – 15:00	Coherent Raman detection at the nanoscale via the local field enhancement at a single plasmonic nanorod Martina Elisena Recchia Cardiff University	Multiplexed biofunctionalization of GaAs with sub-micron feature sizes via UV photo activation Lukas Payne Cardiff University	Identification of Janus exciton complexes in a charge-tuneable WSeS monolayer Matthew Feuer University of Cambridge	Quantum-limited estimation of range and velocity for lidar detection Zixin Huang Macquarie University	(Invited Talk) Self emerging laser cavity solitons as dominant attractor of a microcomb system Alessia Pasquazi University of Sussex	14:50	Break
15:00 – 15:15	Repeatable, accessible, programmable microscopy with open source hardware Joe Knapper University of Bath	Co-doping 1.3µm InAs Quantum Dot Lasers with P-type modulation doping and direct N-type doping Lydia Jarvis Cardiff University	High Intra- and Interwire uniformity in 2D Radial GaAsP/GaAs Core/Shell Triple Quantum Well Structures Nikesh Patel University of Manchester	Ghost Displacement John Jeffers University of Strathclyde	Fast frequency-tuneable narrow-linewidth laser with intra-cavity photonic wire bond Yung Chen Karlsruhe Institute of Technology (KIT)	15:00	T2SL/Related Technologies Roadmap Workshop Part I: Goals & Vision; Capability Assessment; Technical Challenges; and Commercial Challenges (Moderators: Jolyon De Freitas and Mark Goossens)
15:15 – 15:30	Interrogating single proteins' structural change in various pH solutions by using photonic nanostructures Arman Yousefi Nottingham Trent University	Vertical Growth Models for Analysing Vanadium Dioxide Phase Transition in Thin Films Xu Fang University of Southampton	Surface Modification of Self-Assembled Semiconductor Quantum Dot Microlasers Bethan Charlton University of Strathclyde	Characterisation of single-photon detectors Luke Arabskyj NPL	Hybrid-integrated semiconductor mode-locked laser at 1060 nm Ewoud Vissers Ghent University		
15:30 – 16:00	Refreshment Break Room: Exhibition Hall						

	A - Biophotonics IV Chair: Penny Lawton Room: Suite 1	B - IR and THz Photonic Technology Chair: Paul Wright Room: Suite 2	C - Quantum Dots, Nanocrystals and Low Dimensional Materials II Chair: Luca Sapienza Room: Suite 3	D - Quantum Optics I Chair: Alex Clark Room: Theatre	E - Nonlinear and Quantum Optics in Microresonators and Beyond VI Chair: Hamid Ohadi Room: Suite 4		F - Industry Technology Programme I Room: Gallery Suite
16:00 – 16:30	(Invited Talk) Eye as a Window to the Brain: Adaptive Optics Retinal Imaging for Pre-symptomatic Detection of Neurodegenerative and Psychiatric Disease Karen Hampson University of Oxford	(Invited Talk) Mid-infrared fibreoptics: current status and future opportunities Angela Seddon University of Nottingham	(Invited Talk) Porous nitrides for photonic devices Rachel Oliver University of Cambridge	(Invited Talk) Efficient spin-photon interfaces with a coherence time beyond 100 microseconds Dorian Gangloff University of Oxford	(Invited Talk) Localisation by coherent drive and dissipation in photonic lattices Alberto Amo University of Lille		
16:30 – 16:45	Advancing Raman spectroscopy and multimodal imaging techniques for establishing a diagnostic signature for disease progression in osteoarthritis patients Anna Crisford University of Southampton	Theory and optimisation of radiative recombination in mid-infrared superlattice light-emitting diodes Christopher Broderick University of California	Connecting atom-like systems with silicon nitride photonics Joe Smith University of Bristol	Photon condensation in an arbitrary gauge cavity model Dominic Rouse University of Manchester	(Invited Talk) Novel Non-equilibrium Phenomena in Quantum Fluids of Light Marzena Szymanska University College London	16:30	T2SL/Related Technologies Roadmap Workshop Part II: Proposals and Grand Challenges; Funding & Brexit; Signposting & Milestone (Moderators: Jolyon De Freitas and Mark Goossens)
16:45 – 17:00	Non-Markovian Dynamics of Decoherence in Bio-molecular Chromophores Adam Burgess	Characterising dielectric-lined waveguides used for terahertz-driven electron acceleration Beatriz Higuera Gonzalez	Coherent coupling of excitons between vertically stacked pyramidal quantum dots Vikramdeep Singh	Few-photon all-optical phase rotation in a quantum-well micropillar cavity Paul Walker			

	University of Surrey	The University of Manchester	Cardiff University	The University of Sheffield			
17:00 – 17:15	Absolute local refractive index sensing of protein-binding using Microlasers with spectral encoding Soraya Caixeiro University of Cologne	Electro-optical sampling of single-cycle THz fields with single-photon detectors Taylor Shields University of Glasgow	GaAs Site-Controlled Pyramidal Quantum Dots: A Spectrally Uniform Source of Single and Entangled Photon Pairs Iman Ranjbar Jahromi Tyndall National Institute	Defining the semiclassical limit of the quantum Rabi Hamiltonian Elinor Irish University of Southampton	Impact of optically pumped dark excitons in bistable polariton microcavities Elena Rozas Technical University of Dortmund	17:30	Wrap up and Close
17:15 – 17:30	A label free method to measure the dynamics of membranes to determine their biophysical properties and the effect of protein insertion Freya Turley Cardiff University	Design and characterization of a Compact 8-channel Loop-back AWG based Integrated Comb Processor Louw Roel Van Der Zon Universitat Politècnica de València	Towards the experimental realisation of a photonic cluster state with site-controlled GaAs QDs Francesco Mattana Tyndall National Institute	Experimental demonstration of Pulse modes and Frequency bins entanglement Fabrizio Chiriano Heriot-watt University	Realization of Rashba-Dresselhaus spin-orbit coupling in polariton condensates at room temperature Xuekai Ma Paderborn University		
17:30 – 19:30	Posters / Exhibition / Reception / PubPHD Room: Exhibition Hall and Bar Area						

Thursday 1 September

9:00 - 9:45	<p style="text-align: center;">Chair: Alex Clark Plenary talk - Integrated optics and pulsed light for quantum photonics Christine Silberhorn Paderborn University Room: Conference Theatre</p>					
9:45 - 10:30	<p style="text-align: center;">Chair: Laura Young Plenary talk - Designs and Optimisation of Photonic Devices Plenary and Optics and Photonics Prize B M A Rahman University of London Room: Conference Theatre</p>					
10:30 - 11:00	<p>Refreshment Break Room: Exhibition Hall</p>					
	<p>A - Novel and Super-Resolution Microscopy I</p> <p>Chair: Melissa Mather Room: Suite 1</p>	<p>B - Advances in Optical Metrology and Measurements I</p> <p>Chair: Paul Wright Room: Suite 2</p>	<p>C - Nonlinear Photonics I</p> <p>Chair: Auro Perego Room: Suite 3</p>	<p>D - Quantum Optics II</p> <p>Chair: Vincent Boyer Room: Theatre</p>	<p>E - Nonlinear and Quantum Optics in Microresonators and Beyond VII</p> <p>Chair: Marzena Szymanska Room: Suite 4</p>	<p>ITP Time:</p> <p>F - Industry Technology Programme IV Room: Gallery Suite</p>
11:00 - 11:30		<p>(Invited Talk) Optical instrumentation for in-process monitoring of wire and arc additive manufacturing Tom Charrett</p>	<p>(Invited Talk) Ultrafast nonlinear optics in gas-filled hollow-fibres John Colin Travers Heriot-Watt University</p>	<p>(Invited Talk) Quantum photonics: interference beyond HOM, entanglement, and quantum networks Stefanie Barz</p>	<p>(Invited Talk) Coherence of Exciton-Polaritons in microcavities loaded with atomically thin crystals Christian Schneider</p>	<p>11:00</p> <p>Fibre QKD systems Jake Kennard, Kets Quantum Security</p>

		Cranfield University		University of Stuttgart	University of Oldenburg		
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11:30 – 11:45	Polarisation-sensitive super-resolution phononic reconstruction of nanostructures Rafael Fuentes Dominguez University of Nottingham	Highly linear, compact interferometric displacement sensors Kieran Wiseman Cranfield University	Single field light plateaus for counterpropagation in ring resonators Graeme Campbell University of Strathclyde	Multiple projection tomography towards minimum-error quantum measurement Martin Bielak Palacky University	Nonlinear Interactions of Dipolar Excitons and Polaritons in MoS2 Bilayers Charalambos Louca University of Sheffield	11:25	Work in QKD networks and applications Emilio Hugues-Salas BT
11:45 – 12:00	Development of Optoacoustic Lenses for Lateral Super Resolution Imaging Mengting Yao University of Nottingham	ACute3D: A compact, cost-effective, 3D printed laser autocollimator Qingxin Meng University of Bath	Generation of optical frequency combs by parametric modulation of a bottle microresonator: beyond the lumped model Manuel Crespo-Ballesteros Aston University	Engineered pure single photons for multi-photon experiments Joseph Ho Heriot-Watt University	Nonlinear response of trion-polaritons due to Coulomb interactions Kok Wee Song University of Exeter	11:50	Standardised measures for security assurance of QKD photonic hardware Christopher Chunnillall NPL
12:00 – 12:15	Quantitative size and shape analysis of individual silver nanoplates by high throughput widefield extinction microscopy Furqan Alabdullah Cardiff University	Creating sub-diffraction features in low index polymers using direct laser writing Alexander Corbett University of Exeter	4-field asymmetries in twin-resonator photonic molecules Alekhya Ghosh, Max Planck Institute for the Science of Light	Sub-0.1 degree phase locking of Mach-Zehnder interferometer for single-photon applications Vojtech Svarc Palacky University Olomouc	Optical molecules with trapped exciton-polariton condensates Anton Nalitov University of Wolverhampton	12:15	Break
12:15 – 12:30	iGOR: Interferometric Gated Off-axis Reflectance and its Application to Nanoparticle 3D Tracking and Characterisation	Optical polarisation gratings and their use in chiral analysis Robert Cameron University of Strathclyde	The persistent spin-helix lasing as a result of spin-orbit coupling in liquid crystal optical microcavity Przemysław Oliwa University Of Warsaw	Characterising High-dimensional Bi-photon States Will McCutcheon Heriot-Watt University	Giant effective Zeeman splitting in a monolayer semiconductor realised by spin selective strong light-matter coupling Daniel Gillard		

	David Regan Cardiff University				The University of Sheffield		
12:30 – 14:00	Lunch / Posters/ Exhibition Room: Exhibition Hall 13:15 - 13:45 (Tutorial 3) Equality, Diversity, and Inclusion in Photonics: A discussion Fiona Dorrington, Institute of Physics Room: Conference Room 1						
	A - Novel and Super-Resolution Microscopy II Chair: Jonathan Nylk Room: Suite 1	B - Advances in Optical Metrology and Measurements II Chair: Iain Burns Room: Suite 2	C - Nonlinear Photonics II Chair: John Travers Room: Suite 3	D - Quantum Optics III Chair: Patrick Ledingham Room: Theatre	E - Nonlinear and Quantum Optics in Microresonators and Beyond VIII Chair: Dmitry Krizhanovskii Room: Suite 4		F – Industry Technology Programme Room: Gallery Suite
14:00 – 14:30	(Invited Talk) Bending the beam for planar illumination Tom Vettenburg University of Dundee	(Invited Talk) Application of laser-based diagnostics to understand soot formation at technical conditions Klaus Peter Geigle German Aerospace Center (DLR)	(Invited Talk) Nonlinear Optics with Rydberg Excitons Matthew Jones Durham University	(Invited Talk) Pioneering platform for integrated quantum memories Margherita Mazzera Heriot-Watt University	(Invited Talk) Ultrafast time-delayed effects in exciton-polaritons for photonic binarized and spiking neural networks Barbara Pietka University of Warsaw	14:00	Micro and nanofabricated photonic components for atomic quantum technologies Brendan Casey Kelvin Nanotechnology
14:30 – 14:45	Optical quantum super-resolution imaging and hypothesis testing Pieter Kok The University of Sheffield	Compressed Sensing Time-Resolved Photoluminescence Microscopy of Semiconductor Materials and Devices Aidas Baltušis University of Surrey	Control of light-atom solitons and atomic transport by optical vortex beams propagating through a Bose-Einstein Condensate Grant Henderson University of Strathclyde	Rayleigh Optical Activity Emmanouil Alexakis University of Strathclyde	Dispersive and dissipative coupling of photon Bose-Einstein condensates Chris Toebes University of Twente	14:25	Photonic components for quantum technologies Michael Wright ALTER Technology
14:45 – 15:00	Transferring ultra-thin metallic metasurfaces onto fibreendoscope	Optical Flow Velocimetry for instantaneous liquid interfacial velocity	Non-linearities in a driven-dissipative SSH lattice Nicolas Pernet	A fresh perspective on the Casimir effect Almut Beige University of Leeds	Density fluctuations near the condensate transition of a trapped polariton condensate	15:00	Atom interferometers for navigation Joseph Thom M-Squared Lasers

	probes for advanced imagingn Fei He University of Nottingham	spatial distribution on a liquid jet surface injected in a gas flow Tianyi Wang Imperial College London	CN2		Paolo Comaron University College London		
15:00 – 15:15	Understanding the limits of remote focusing microscopes Alexander Corbett University of Exeter	High Sensitivity Speckle Metrology with Integrating Spheres: or How We Learned to Stop Worrying and Love Disorder Graham Bruce University of St Andrews	Boosted second-harmonic generation within lithium niobate slab governed by bound states in the continuum Ze Zheng Nottingham Trent University	Polarization-entangled biphotons as a spectroscopic probe Ravyn Malatesta Georgia Institute of Technology	Tracking quantum coherence in polariton condensates with time-resolved tomography Carolin Lüders TU Dortmund	15:25	Miniature atomic clocks: translating technology from lab to product Mohsin Haji NPL
15:15 – 15:30	Rapid Volumetric Imaging through 3D Reconstruction from 2D Projection Data Daniel Olesker University of Glasgow	Polarization dynamics, tunability and stability of a polarization-multiplexed single-cavity dual-comb fibre laser Alberto Rodriguez Cuevas Aston University	Optical Activity in nonlinear light scattering: New methods for chiral characterisation Ben Olohan University of Bath	Generation and device-independent certification of polarisation entanglement at 2.1 μm Adetunmise Dada University of Glasgow	Photon Bose-Einstein condensation under controlled dissipation and feedback Charlie Mattschas University of Twente	15:50 - 16:15	Growing a UK Quantum Industry Ecosystem Chris Jones UKRI & InnovateUK
15:30 – 16:00	Refreshment break Room: The Concourse						
	A - Astronomical and Space Instrumentation Chairs: Tim Morris and Stephen Todd Room: Suite 1	B - Medical Applications of Light I Chairs: Mike Tanner and Laura Young Room: Suite 2	C – Optomechanics Chair: Xavier Rojas Room: Suite 3	D - Quantum Optics IV Chair: Zixin Huang Room: Theatre	E - Nonlinear and Quantum Optics in Microresonators and Beyond IX Chair: Christian Schneider Room: Suite 4		

16:00 – 16:30	(Invited Talk) Commissioning the Webb Telescope Alistair Glasse UKATC	(Invited Talk) In-vivo optical monitoring of cerebral metabolism: from newborn brain injury to dementia Gemma Bale University of Cambridge	(Invited Talk) Brillouin optomechanics in whispering-gallery-mode microresonators: From strong coupling to single-phonon-level operations Michael Vanner Imperial College London	(Invited Talk) Quantum resolution enhancements in discrete imaging and remote sensing Gerardo Adesso University of Nottingham	(Invited Talk) Nonlinear polaritons in photonic microstructures: from many-body phenomena to single polariton nonlinearity Dmitry Krizhanovskii University of Sheffield		
16:30 – 16:45	(Invited Talk) HiPERCAM and GOTO Vikram Dhillon University of Sheffield	Impedance microscopy: a new tool for high-resolution imaging of electrical properties of cells Sidahmed Abayzeed University of Nottingham	Exploiting non-linear effects in optomechanical sensors with continuous photon-counting Lewis Clark University of Warsaw	Coupling a single molecule to an interrupted nanophotonic waveguide Alex S. Clark University of Bristol	Polariton lasing in GaN microrings with GaN/AlGaIn quantum wells Tommi Isoniemi University of Sheffield		
16:45 – 17:00		Numerical modelling and experimental study of femtosecond laser ablation on dental hard tissues Sarathkumar Loganathan University of Leeds	Optical levitation and manipulation of nanoparticles in vacuum Maryam Nikkhou King's College London	Rydberg exciton-polaritons in a Cu₂O microcavity Konstantinos Orfanakis University of St Andrews	Ordering and synchronization in lattices of polariton condensates Paul Eastham Trinity College Dublin		
17:00 – 17:15	Effect of residual fabrication error on segmented primary mirror of National Large Optical Telescope Varun Prakash Padikal CHRIST University	Fibre optic probes for endoscopic measurement of uterine hypoxia Andrew Green Heriot Watt University	Coherent oscillations of a vibrating carbon nanotube Edward Laird Lancaster University	The gauge-relativity of photons and atoms, and its significance in non-standard regimes Adam Stokes Newcastle University	Observation of KPZ universal scaling in a one-dimensional polariton condensate Quentin Fontaine Centre for Nanoscience and Nanotechnology		

17:15 – 17:30	HARMONI – first light adaptive optics assisted spectrograph for the Extremely Large Telescope Niranjan Thatte University of Oxford	Clinical implementation of a Raman spectroscopy device for detection of residual basal cell carcinoma during skin surgery Radu Boitor University of Nottingham		Exploiting angular misalignment to perform side-channel attacks on free space QKD Pablo Arteaga,	(Invited Talk): Title to be confirmed Ronald Holwarth Menlo Systems		
17:30 – 17:45							
19:30 – 22:00	Conference Dinner Room: Banqueting Hall/Exhibition Hall						

Friday 2 September

9:00 – 9:45	Chair: Laura Youngs Plenary Talk - Polarization textures of light Sonja Franke-Arnold University of Glasgow Room: Theatre
9:45 – 10:30	Chair: David Binks Plenary Talk - Picophotonics Nikolay Zheludev University of Southampton Room: Theatre

10:30 – 11:00	<p style="text-align: center;">Refreshment Break Room: The Concourse</p>						
	<p>A - Trapping and Manipulation</p> <p>Chairs: Une Butaite and Lynn Paterson Room: Suite 1</p>	<p>B - Medical Applications of Light II</p> <p>Chairs: Mike Tanner and Laura Young Room: Suite 2</p>	<p>C - Optical Materials for Quantum Technology</p> <p>Chair: Mark Hughes Room: Suite 3</p>	<p>D - Quantum Information and Computation</p> <p>Chairs: J P Hadden and Joe Goodwin Room: Theatre</p>			
11:00 – 11:30	<p>(Invited talk) Opto-fluidic technologies to construct and manipulate synthetic cells</p> <p>Yuval Elani Imperial College London</p>	<p>(Invited Talk) Computational imaging for high-speed 3D microscopy</p> <p>Andy Harvey University of Glasgow</p>	<p>(Invited talk) Emerging rare-earth doped crystals for quantum photonics</p> <p>Philippe Goldner Chimie Paristech - Cnrs</p>	<p>(Invited talk) Single Photons from a ion-cavity system</p> <p>Matthias Keller University of Sussex</p>			
11:30 – 11:45	<p>Non-invasive microrheology study of living cells</p> <p>William Hardiman University of Nottingham</p>	<p>A miniaturised chip on tip FLIM system for biomedical applications</p> <p>Andrew Matheson University of Edinburgh</p>	<p>Topological Photonic Crystal Fibre</p> <p>Nathan Roberts University of Bath</p>	<p>Measurement-device independent quantum tomography</p> <p>Robert Starek Palacky University Olomouc</p>			
11:45 – 12:00	<p>Cooling the optical-spin driven limit cycle oscillations of a levitated gyroscope</p> <p>Graham Bruce University of St Andrews</p>	<p>Miniaturisable and clinically translatable Spatial Frequency Domain Imaging for improved early detection of gastrointestinal cancers</p> <p>Jane Crowley University of Nottingham</p>	<p>A membrane-transfer technique for hybrid quantum photonic devices for quantum technology applications</p> <p>Cori Haws University of Glasgow</p>	<p>Experimental two-out-of-four quantum state elimination</p> <p>Jonathan Webb Heriot-Watt University</p>			

12:00 – 12:15	Enhanced optical geometries for atoms Aidan Arnold University of Strathclyde	The impact on optical resolution of holographic diffusers Matt Hellis TU Dublin	A Theoretical and Experimental Study of Efficiency Droop in InGaN/GaN Quantum Wells Rachel Barrett The University of Manchester	Does the weak trace show the past of a quantum particle? Jonte Hance University of Bristol			
		Using a model eye in AOSLO to improve precision in retinal imaging and eye tracking Penny Lawton Newcastle University	Modelling the light transport in LED-pumped masers Juna Sathian Northumbria University	Inverse-design of high-dimensional quantum optical circuits in a complex medium Suraj Goel Heriot-Watt University			
12:30 – 13:30	Lunch and depart Room: The Concourse						
13:30 14:15 15:00	Tour of the Sir Peter Mansfield Imaging Centre (tours are limited, please sign up at reception)						

Posters

P1: Towards single-photon switching via two-photon absorption in Rb vapour Tabijah Wasawo University Of Bath	P2: Aberration correction of photonic microstructures for photonic devices Matt Mai University of Oxford	P3: Towards non-iteration wavefront shaping at depth in highly scattering media Amanda Wright University Of Nottingham	P4: Single-shot characterization of vector beams by generalized measurements Mustafa Al Khafaji University of Glasgow	P5: Build-up dynamics in polarization-multiplexing fibre laser Alberto Rodriguez Cuevas Aston University	P6: Manufacturing and testing of a laser-drilled electro-spray emitter created out of flat dielectric plates Sahil Maharaj University Of Manchester
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<p>P7: Disordered Surface Plasmon Sensor for Multiple Scattering Enhanced Single Particle Detection Matthew Foreman Imperial College London</p>	<p>P8: Assessing variable degrees of blood perfusion in ischaemic skin flaps and grafts Mark Main University of Glasgow</p>	<p>P9: Spectromics: holistic optical appraisal of articular cartilage via complimentary vibrational spectroscopy for diagnosis of osteoarthritis Hiroki Cook University of Southampton</p>	<p>P10: Modeling time dependent heat transfer problems in laser material processing using physics informed neural networks (PINNs) Michael Moeckel University of Applied Sciences Aschaffenberg</p>	<p>P11: Design of Ribbed Triangular Nanobeam Cavities in Gallium Nitride John Hadden Cardiff University</p>	<p>P12: Sensing and dynamic switching of toroidal resonances in a bilayer terahertz-metamaterial Angana Bhattacharya Indian Institute of Technology Guwahati</p>
<p>P13: Mid-Infrared Timing Jitter in Superconducting Nanowire Single-Photon Detectors Ewan MacKenzie University of Glasgow</p>	<p>P14: High resolution eye tracking with an AOSLO: The impact of optical aberrations on accuracy Laura Young Newcastle University</p>	<p>P15: Combining Optical Activity and Structural Chirality in Meta-media: Novel Circular Bragg Phenomena Stefanos Koufidis Imperial College London</p>	<p>P16: Investigation of optical nonlinearity in conformally thin film coated three-dimensional photonic crystals Mike Taverne Northumbria University</p>	<p>P17: Optimising GaAs Photonic Crystal Cavities and Waveguides for use in Lab-On-Chip Optical Biosensors Nadhia Monim Cardiff University</p>	<p>P18: Quantum Imaging: Optically Detected Magnetic Resonance of Nanodiamond Wide-Field Epifluorescence and Total Internal Reflection Florescence Microscopy Rebecca Craig University of Strathclyde</p>
<p>P19: A novel parametric amplifier architecture based on two nonlinear waveguides with spatially dependent coupling Auro Michele Perego Aston University</p>	<p>P20: Compact Optical Parametric Oscillators for Three Photon Fluorescence Microscopy Ewan Allan Heriot-Watt University</p>	<p>P21: Control of the atomic vapour pressure in alkali vapour cells mediated by Au nanoparticles Kunjalata Majhi University of Bath</p>	<p>P22: Cardiff University Sizing dielectric nanoparticles using quantitative differential interference contrast microscopy Samuel Hamilton Cardiff University</p>	<p>P23: Doubly-Resonant Enhancement of Second Harmonic Generation from a WS2 Nanomesh Polymorph with a Modified Energy Landscape Alexander Murphy University of Bath</p>	<p>P24: Third-order correlation studies on NV centres in nanodiamonds Ted Silva Santana NPL</p>
<p>P25: Gouy phase-matched angular and radial mode conversion in four-wave mixing Aidan Arnold University Of Strathclyde</p>	<p>P26: Observation of triangular-lattice pattern in nonlinear wave mixing with optical vortices Braian Pinheiro da Silva University of Dundee</p>	<p>P27: Spatiotemporal structures in mode-locked fibre laser Sergey Sergeev Aston University</p>	<p>P28: Ultrashort-pulsed optical parametric oscillator employing Brewster angle prism retroreflectors Diana Hunter Heriot-Watt University</p>	<p>P29: Characterizing scattering of orbital angular momentum states to improve measurements of ocean attenuation Anna Gribbon University of Strathclyde</p>	<p>P30: Enhanced Second Harmonic Generation via Flatband mode in photonic moiré superlattice Mohsen Rahmani Nottingham Trent University</p>

<p>P31: Generating 3-dimensional images of pollen grains from their scattering patterns using deep learning James Grant-Jacob University of Southampton</p>	<p>P32: Time-resolved fibre optic distributed temperature sensing Caitlin Tye Heriot-Watt University</p>	<p>P33: Seed-testing Quantum Random Number Generator with an uncharacterised detector Hamid Tebyanian University of York</p>	<p>P34: Simulation of reflected jamming in satellite quantum key distribution Cameron Simmons Heriot-Watt University</p>	<p>P35: Towards quantum-confined spin-qubits in monolayer, semiconducting WSe2 Eleanor Nichols University of Cambridge</p>	<p>P36: The impact of spot-size on single-photon avalanche diode timing-jitter and QKD Alexandra Lee Wideblue Ltd</p>
<p>P37: Engineered Semiconductor Quantum dot Structures in Glass Matrices for Photothermal Heating of Water Mohanad Al-Murish University of Leeds</p>	<p>P38: Novel direct-write lithography of GaAs-AlGaAs micropillars for coupling into a single-mode fibre Matthew Jordan Cardiff University</p>	<p>P39: Self-assembled Cadmium-free Semiconductor Microspheres Based on Colloidal Quantum Dots Dillon Downie University of Strathclyde</p>	<p>P40: Theory of electronic structure and radiative recombination in direct-gap hexagonal SiGe alloys Christopher Broderick University of California, Santa Barbara</p>	<p>P41: Quantum imaging with a photon counting camera Thomas Gregory University of Glasgow</p>	<p>P42: Building modes carrying orbital angular momentum using the semiclassics of the Higgs oscillator Kerr Maxwell University of Birmingham</p>
<p>P43: Optical and Electronic Designs for Optical Deep Learning Networks Phil Birch University of Sussex</p>	<p>P44: Robust Routing, Entanglement Generation, and Phase Sensing as Emergent Behaviour in Quantum Spin Networks Abdulsalam Alsulami University of York</p>	<p>P45: Quantum illumination with asymmetric multi-photon subtracted twin beam squeezed vacuum state Nigam Samantaray University of Strathclyde</p>	<p>P46: Quantum illumination with multiplex idler detection John Jeffers University Of Strathclyde</p>	<p>P47: Bidirectional optimal quantum control boosted by deep learning: A use case of polarization in liquid crystals Dominik Vařinka Palacký University Olomouc</p>	<p>P48: Angular momentum redirection phase of vector beams in a non-planar geometry Amy McWilliam University of Glasgow</p>
<p>P49: Towards a Quantum inspired Lidar using random coherent states Thomas Brougham University of Strathclyde</p>	<p>P50: Towards enhanced nonlinear imaging with entangled photons Thomas Dickinson University of Strathclyde</p>	<p>P51: Reducing noise in photonic crystal fibre sources of high purity heralded single photons Will Smith University of Bath</p>	<p>P52: Self-referenced subcycle metrology of quantum fields Andrey S. Moskalkenko KAIST</p>	<p>P53: The vector gas: Mapping concurrence onto cold atoms Sphinx Svensson University of Glasgow</p>	<p>P54: Levitodynamics with optically active nanocrystals Cyril Laplane Macquarie University / Sydney Quantum Academy</p>
<p>P55: Deterministic controlled enhancement of local quantum coherence Nikola Horová Palacký University Olomouc</p>	<p>P56: Microwave-optical coupling via Rydberg excitons in Cu2O Liam Gallagher Durham University</p>	<p>P57: Access to energy fluctuations in a many-body quantum heat engine Marcela Herrera Universidad Autónoma De Occidente; Universidad del Valle</p>	<p>P58: Harnessing nonadiabatic excitations promoted by a quantum critical point Obinna Abah Newcastle University</p>	<p>P59: Photon cooling: linear vs nonlinear interactions Armen Allahverdyan Alikhanian National Laboratory</p>	<p>P60: Stochastic entropy production in quantum state diffusion Ian Ford University College London</p>

<p>P61: Backscattering in Nonlinear Microring Resonators Via a Gaussian Treatment of Coupled Cavity Modes Will McCutcheon Heriot-Watt University</p>	<p>P62: Differential Phase Measurement of Soliton Microcombs Krishna Twayana Chalmers University of Technology</p>	<p>P63: Internally driven parametric conversion and Turing patterns in near-phase-matched microresonator second harmonic generation Vladislav Pankratov University of Bath</p>	<p>P64: Microresonator-based frequency combs for calibration of astronomical spectrographs Ignacio Baldoni Menlo Systems Gmbh</p>	<p>P65: Nonlinear Parametric Scattering of Exciton Polaritons in PerovskiteMicrocavities Jinqi Wu Nanyang Technological University</p>	<p>P66: Walsh mode compensation for focussing through a multimode fibre Eusebiu Sutu University of Oxford</p>
<p>P67: Nonlinear Photonics in Thin film Lithium Niobate Halvor Fergestad KTH</p>	<p>P68: Bistability induced by loss of strong coupling in the coherently driven exciton-polariton state Andrzej Opala Institute of Physics, Polish Academy of Sciences</p>	<p>P69: Sum-frequency generation spectroscopy for ultrafast highly enantio-sensitive imaging of molecular chirality Joshua Vogwell Imperial College</p>	<p>P70: Single-ended Recovery of Optical Fibre Transmission Matrices using Neural Networks Yijie Zheng University of Nottingham</p>	<p>P71: Maximal entanglement of spectrally distinct solid-state qubits by iteration Elena Callus University of Sheffield</p>	<p>P72: Stack, seal, evacuate, draw: A method for drawing antiresonant hollow-core fiber stacks under positive and negative pressure Leah Murphy University of Bath</p>
<p>P73: Range-finding with click detection practical quantum LIDAR Richard Murchie University of Strathclyde</p>	<p>P74: Engineering the Zeros of the Point Spread Function to Increase Estimation Accuracy Joseph Baker University of Birmingham</p>	<p>P75: Measuring photon indistinguishability from single quantum emitters Alex Clark University Of Bristol</p>	<p>P76: A DFT study of the interaction between an NV- centre and an interstitial carbon in the diamond. Guangzhao Chen University of Oxford</p>	<p>P77: Efficient Network Interfaces for Tuneable-Cavity-Coupled Diamond Spin Qubits Gareth Jones University Of Oxford</p>	<p>P78: Design of a flip flop S-R circuit based on plasmon resonance surface Marcos Moura Federal Center for Technological Education</p>

<p>P79: Spectral Control of Microlaser Array Using Artificial Neural Networks Wai Kit Ng Imperial College London</p>	<p>P80: A Lab-in-a-Fibre microfluidic tool: towards in-situ cellular analysis of bronchoalveolar lavage Katjana Ehrlich Heriot-Watt University</p>	<p>P81: Brightness-enhanced light source technology for medical imaging Bethan Ford Northumbria University</p>	<p>P82: Application of coherent scattering from spin doped quantum dots to entanglement generation Samuel Mister University of Bristol</p>	<p>P83: A high-efficiency, dual cavity optical frequency comb generator Mateusz Mrozowski University of Strathclyde</p>	<p>P84: Helicity lattices - numerical simulation using FDTD (Finite Difference Time Domain) Romuald Kilianski University of Glasgow</p>
<p>P85: Simultaneous Generation of Dark-Bright Soliton Pairs in a Microresonator Toby Bi Max Planck Institute for the Science of Light</p>					

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