








World of Photonics Congress 2023 - Session Overview

	Plenary / Keynote / Award		CLEO®/Europe-EQEC - Conference on Lasers and Electro-Optics and European Quantum Electronics Conference		European Conferences on Biomedical Optics (ECBO)
	Joint Session		SPIE Digital Optical Technologies		LiM - Lasers in Manufacturing
			SPIE Optical Metrology		

Day / Room	Sunday June 25	Monday June 26	Tuesday June 27	Wednesday June 28	Thursday June 29	Friday June 30
Room 1 ICM Ground Floor		CM – Materials Processing with Lasers 08:30 - 10:00 Laser additive manufacturing I 10:30 - 12:00 Laser semiconductor processing 14:00 - 15:30 Temporal and spatial beam shaping for laser processing I 16:00 - 17:30 CLEO/Europe 2023 Plenary	CM – Materials Processing with Lasers 08:30 - 10:00 Temporal and spatial beam shaping for laser processing II 10:30 - 12:30 EQEC 2023 Plenary Talk and Award Ceremony 14:00 - 15:30 World of Photonics Congress Plenary CM – Materials Processing with Lasers 16:00 - 17:30 Laser volume processing	CM – Materials Processing with Lasers 08:30 - 10:00 Laser written waveguides and gratings 10:30 - 11:25 Optical Metrology Plenary Session JSI – Free Electron Lasers 14:00 - 15:30 Imaging geometric and electronic structures 16:00 - 17:30 Nonlinear and ultrafast X-ray spectroscopy	EA – Quantum Optics and Quantum Matter 08:30 - 10:00 Nonlinear quantum optics 10:30 - 12:00 Photonic quantum technology 14:00 - 15:30 Quantum light sources I 16:00 - 17:30 Quantum light sources II	CM – Materials Processing with Lasers 08:30 - 10:00 Laser-based surface functionalization and sensors 10:30 - 12:00 Laser-induced periodic surface structures 14:00 - 15:30 Dynamics of laser-induced processes 16:00 - 17:30 Laser additive manufacturing II
Room 2 ICM Ground Floor	Optoacoustic Methods and Applications in Biophotonics 08:30 - 10:00 Methods and Technologies for PA Microscopy and Mesoscopy 10:30 - 12:15 Models and Algorithms 16:00 - 17:15 Functional and Molecular OA Imaging	Micro Processing 08:30 - 10:00 Multiphoton processes / Optics in laser processing 13:30 - 15:30 Fundamentals / Simulation 16:00 - 17:30 Nanostructures	Micro Processing 08:30 - 10:00 Semiconductors and transparent materials 1 10:30 - 12:00 Semiconductors and transparent materials 2 16:00 - 17:30 Semiconductors and transparent materials 3	Micro Processing 08:30 - 10:00 Cutting 2 10:30 - 12:00 Cutting 3 13:30 - 15:30 Cutting 4 16:00 - 17:30 Cutting 5	Micro Processing 08:30 - 10:00 Surface patterning 2 10:30 - 12:00 Surface patterning 3 13:30 - 15:30 Surface patterning 4 16:00 - 17:30 Emerging topics (Cutting/Joining)	CJ – Fibre and Guided Wave Lasers and Amplifiers 08:30 - 10:00 Mid-IR fiber sources 10:30 - 12:00 Pulsed fiber sources 14:00 - 15:30 Novel fibers 16:00 - 17:30 2-micron fiber sources

Room 3 ICM Ground Floor	Optical Coherence Imaging Techniques and Imaging in Scattering Media 10:30 - 12:00 Advances in Eye Imaging: New Methods 16:00 - 17:15 Endoscopy and Catheter-Based Imaging	Macro Processing 08:30 - 10:00 Systems Technology 13:30 - 15:30 Cutting 1 16:00 - 17:00 Cutting 2	Macro Processing 08:30 - 10:00 Simulation 1 10:30 - 12:00 Simulation 2 and process control 1 16:00 - 17:30 Surface patterning 1	Macro Processing 08:30 - 10:00 Process control 2 and digital methods 10:30 - 12:00 Surface treatment and cladding 13:30 - 15:30 Joining 1 16:00 - 17:30 Joining 2	Macro Processing 08:30 - 10:00 Joining 3 10:30 - 12:00 Joining 4 13:30 - 15:30 Joining 5 16:00 - 17:30 Joining 6	EA – Quantum Optics and Quantum Matter 08:30 - 10:00 Quantum optics in imaging 10:30 - 12:00 Atomic systems 14:00 - 15:30 Nonclassical states of light 16:00 - 17:30 Optomechanical systems
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Room 4a ICM Ground Floor		EJ – Theoretical and Computational Photonics Modelling 08:30 - 10:00 Simulating multi-mode and non-hermitian systems 10:30 - 12:00 Computational photonics at the light-matter interface 12:00 - 13:00 Poster pitches I CK – Micro- and Nano-Photonics 14:00 - 15:30 Lithium niobate and silica systems 17:30 - 18:30 Career event with Donna Strickland	CK – Micro- and Nano-Photonics 08:30 - 10:00 Plasmonic structures and components 16:00 - 17:30 Resonant structures and cavities	CK – Micro- and Nano-Photonics 08:30 - 10:00 Active components 10:30 - 12:00 Silicon nitride systems and devices 12:00 - 13:00 Poster pitches II CK – Micro- and Nano-Photonics 14:00 - 15:30 Integrated optical devices I 16:00 - 17:30 Integrated optical devices II	CK – Micro- and Nano-Photonics 08:30 - 10:00 Advanced design methods 10:30 - 12:00 Micro optical combs 14:00 - 15:30 Metasurface technologies and applications 16:00 - 17:30 Photonic crystals and periodic structures	CK – Micro- and Nano-Photonics 08:30 - 10:00 Photonic crystals 10:30 - 12:00 Advanced photonic devices 14:00 - 15:30 Recent advances in laser technology 16:00 - 17:30 Micro- and nano-optical cavities
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Room 4b ICM Ground Floor		EG – Light-Matter Interactions at the Nanoscale 08:30 - 10:00 Nanoantennas and nanoconfinement 10:30 - 12:00 Metasurfaces 14:00 - 15:30 Optoelectronics and light-electron interactions	EG – Light-Matter Interactions at the Nanoscale 08:30 - 10:00 Ultrastrong light matter interactions and nonlinear optics 16:00 - 17:30 Single emitters	EG – Light-Matter Interactions at the Nanoscale 08:30 - 10:00 Nanomanipulation, nano-organization and correlation JSIV - Photonics for Sustainability 10:30 - 12:00 Photo(electro)chemistry and desalination 14:00 - 15:30 Thermal radiation and photovoltaics EH – Plasmonics and Metamaterials 16:00 - 17:30 Temporal and topological metamaterials	EH – Plasmonics and Metamaterials 08:30 - 10:00 Quantum plasmonics 10:30 - 12:00 Nonlinear and active metastructures 14:00 - 15:30 Tunable and holographic metasurfaces 16:00 - 17:50 Concepts and applications in plasmonics and metastructures	EI – Two-Dimensional and Novel Materials 08:30 - 10:00 2D van der Waals materials: fundamentals and applications 10:30 - 12:00 Nonlinear and quantum optics with van der Waals layered materi+G78als 14:00 - 15:30 Novel low-dimensional and functional materials 16:00 - 17:30 Ultrafast dynamics in layered materials
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Room 5 ICM Ground Floor	Diffuse Optical Spectroscopy and Imaging 08:30 - 10:00 Clinical and Preclinical Applications of Diffuse Optics I 10:30 - 12:00 Clinical and Preclinical Applications of Diffuse Optics II	Optoacoustic Methods and Applications in Biophotonics 08:30 - 10:00 Novel Technologies for PA Detection and Imaging I 10:30 - 12:00 Novel Technologies for PA Detection and Imaging II	Diffuse Optical Spectroscopy and Imaging 08:30 - 10:00 Cerebral Hemodynamics and Neural Activity III 10:30 - 12:00 Theory, Algorithms and Modeling I	Diffuse Optical Spectroscopy and Imaging 08:30 - 10:00 Advances in Instrumentation and Technology II 10:30 - 11:45 Advances in Instrumentation and Technology III 13:30 - 15:00 Advances in Instrumentation and Technology IV 15:30 - 16:30 Theory, Algorithms and Modeling II	Optical Coherence Imaging Techniques and Imaging in Scattering Media 08:15 - 10:00 Scattering and Wavefront Control 10:30 - 12:00 Advances in Eye Imaging: Angiography 13:30 - 15:00 Imaging for Medical Treatment and Therapies	CC – Terahertz Sources and Application 08:30 - 10:00 THz QCL 10:30 - 12:00 THz spectroscopy and techniques 14:00 - 15:30 THz devices 16:00 - 17:30 THz applications
	14:00 - 15:30 ECBO Hot Topics: Light for Life	14:00 - 15:30 ECBO Plenary	16:00 - 17:15 Advances in Instrumentation and Technology I			
	Diffuse Optical Spectroscopy and Imaging 16:00 - 17:00 Cerebral Hemodynamics and Neural Activity I	Diffuse Optical Spectroscopy and Imaging 16:00 - 17:00 Cerebral Hemodynamics and Neural Activity II		15:30 - 16:30 ECBO Closing and Awards		

Room 11 ICM 1st Floor	Translational Biophotonics: Diagnostics and Therapeutics 08:30 - 10:00 In Vivo Diagnostics 10:30 - 12:00 Raman-Based Diagnostics 12:00 - 12:30 Biophotonics in Food Science 16:00 - 17:00 Infectious Disease	Translational Biophotonics: Diagnostics and Therapeutics 09:00 - 10:00 Smart Sensor and AI 10:30 - 12:00 Photodynamic Therapy I 12:00 - 12:30 Brain and Photonics I 16:00 - 17:15 Brain and Photonics II	Translational Biophotonics: Diagnostics and Therapeutics 08:15 - 10:00 Photodynamic Therapy II 10:30 - 11:45 Brain and Photonics III 11:45 - 12:30 Biophotonics in Breast Cancer Detection 16:00 - 17:00 Ophthalmology and Photonics	Translational Biophotonics: Diagnostics and Therapeutics 08:30 - 10:00 Optical Coherence and other Techniques 10:30 - 12:00 Microscopy and other Diagnostic Techniques	Translational Biophotonics: Diagnostics and Therapeutics 08:30 - 10:00 Multispectra and Hyperspectral Diagnosis I 10:30 - 12:00 Optical Sensors Translational Biophotonics 13:30 - 15:00 Multispectra and Hyperspectral Diagnosis II	CI – Optical Technologies for Communications and Data Storage 08:30 - 10:00 Quantum and free-space communications 10:30 - 12:00 Modulation and demodulation 14:00 - 15:30 Satellite and radio 16:00 - 17:30 Frequent combs and microwave photonics
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Room 12a ICM 1st Floor		Optics for Arts, Architecture, and Archaeology (O3A) IX 08:30 - 10:00 Light Material Interaction 10:30 - 12:30 Advanced Image Processing and Data Visualisation 13:50 - 15:30 Imaging and Spectroscopy Instrument and Method Development 16:00 - 17:40 3D Surfaces and Structural Analysis	Optics for Arts, Architecture, and Archaeology (O3A) IX 08:30 - 10:00 Multimodal Imaging and Spectroscopy 10:30 - 11:50 Applications to Art, Archaeology and Architecture 11:50 - 12:50 Poster Slam: Optics for Arts, Architecture, and Archaeology Multimodal Sensing and Artificial Intelligence: Technologies and Applications III 16:00 - 18:10 Multimodal Sensing and Inverse Modelling for Infrastructures and Environmental Monitoring	Multimodal Sensing and Artificial Intelligence: Technologies and Applications III 08:20 - 10:00 Multimodal Sensing for Robotics 13:30 - 15:30 Multimodal Sensing for Inspection 16:00 - 17:50 Multimodal Sensing Applications I	Multimodal Sensing and Artificial Intelligence: Technologies and Applications III 08:10 - 10:00 Multimodal Sensing for Health 10:30 - 12:00 Full-field Imaging and Applications I 13:10 - 14:20 Full-field Imaging and Applications II 14:20 - 17:30 Multimodal Sensing Applications II	CE – Optical Materials, Fabrication and Characterisation 08:30 - 10:00 Photonic integrated circuits 10:30 - 12:00 Lithium niobate platform 14:00 - 15:30 Doped optical materials 16:00 - 17:30 Fabrication methods
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Room 12b ICM 1st Floor		Modeling Aspects in Optical Metrology IX 10:30 - 10:40 Welcome and Introduction 10:40 - 12:30 Workshop on Compressed Sensing 13:40 - 15:30 Ellipsometry and Polarimetry 16:00 - 18:00 Interferometry and Phase	Modeling Aspects in Optical Metrology IX 08:40 - 10:00 Optical Systems 10:30 - 12:50 Scatterometry and OCD Metrology 16:00 - 18:00 Super-resolution, Wave Propagation, and 3D	Automated Visual Inspection and Machine Vision V 08:30 - 09:50 Imaging 13:30 - 14:30 Synthetic Data for Machine Learning 14:30 - 15:30 Machine Learning and Classification 16:00 - 17:00 Image-based Measurement Technology 17:00 - 18:00 Image-based Position Measurement		ED – Precision Metrology and Frequency Combs 08:30 - 10:00 Precision metrology 10:30 - 12:00 Frequency combs: sources and characterization 14:00 - 17:30 Short course: Finite element modelling methods for photonics
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Room 13a ICM 1st Floor		CA - Solid-state Lasers 08:30 - 10:00 Mid-infrared lasers 10:30 - 12:00 Ultrafast lasers at 2 μm and beyond 14:00 - 15:30 Novel laser materials	CA - Solid-state Lasers 08:30 - 10:00 Polarization effects and structured laser beams CM – Materials Processing with Lasers 14:00 - 15:30 Modelling of laser-induced processes CA - Solid-state Lasers 16:00 - 17:30 Diamond lasers and frequency converters	CA - Solid-state Lasers 08:30 - 10:00 Visible and UV lasers 10:30 - 12:00 High-power lasers and facilities 14:00 - 15:30 Power scaling 16:00 - 17:30 Waveguide lasers	CA - Solid-state Lasers 08:30 - 10:00 Ytterbium lasers 10:30 - 12:00 1 New laser designs JSIII - Photonics for Artificial Intelligence 14:00 - 15:30 Photonic reservoir computing, extreme learning and ising machines I 16:00 - 17:30 Photonic reservoir computing, extreme learning and ising machines II 17:45 - 19:15 Postdeadline session I	JSIII - Photonics for Artificial Intelligence 08:30 - 10:00 Photonic accelerators I 10:30 - 12:00 Photonic accelerators II 14:00 - 15:30 Brain-inspired photonic devices and computing I 16:00 - 17:30 Brain-inspired photonic devices and computing II
Room 13b ICM 1st Floor		CB – Semiconductor Lasers 08:30 - 10:00 Photonic crystal lasers 10:30 - 12:00 LiM Plenary Session and WLT ceremony CB – Semiconductor Lasers 14:00 - 15:30 Surface-emitting lasers	CB – Semiconductor Lasers 08:30 - 10:00 Novel semiconductor laser concepts 14:00 - 15:30 Photonic integration I 16:00 - 17:30 Photonic integration II	JSI – Free Electron Lasers 08:30 - 10:00 Nonlinear X-ray wave-mixing 10:30 - 12:00 X-ray source developments CB – Semiconductor Lasers 14:00 - 15:30 Integrated photonics and frequency combs 16:00 - 17:30 Diode laser frequency combs	CB – Semiconductor Lasers 08:30 - 10:00 Quantum cascade laser frequency combs 10:30 - 12:00 Quantum cascade lasers and frequency combs 14:00 - 15:30 Single mode and narrow linewidth semiconductor lasers 16:00 - 17:30 High-performance diode lasers 17:45 - 19:15 Postdeadline session II	CD – Applications of nonlinear Optics 08:30 -10:00 Nonlinear metasurfaces 10:30 - 12:00 Stimulated Brillouin scattering 14:00 - 15:30 Nonlinear imaging and microscopy 16:00 - 17:30 Quantum applications
Room 14a ICM 1st Floor		CD – Applications of nonlinear Optics 08:30 - 10:00 Frequency conversion I 10:30 -12:00 Frequency conversion II 14:00 - 15:30 Integrated nonlinear photonics	CD – Applications of nonlinear Optics 08.30 - 10:00 Specialty fibers 14:00 - 15:30 Supercontinuum generation 16:00 - 17:30 Mid-IR applications	CD – Applications of nonlinear Optics 08:30 - 10:00 Spectroscopy applications 10:30 - 12:00 Nonlinear dynamics I 14:00 - 15:30 Nonlinear dynamics II 16:00 - 17:30 Resonant structures	EF – Nonlinear Phenomena, Solitons and Self-Organization 08:30 - 10:00 Kerr solitons and frequency combs II 10:30 - 12:00 Spatiotemporal effects in optical systems 14:00 - 15:30 Dissipative solitons and mode-locking I 16:00 - 17:30 Dissipative solitons and mode-locking II	EF – Nonlinear Phenomena, Solitons and Self-Organization 08:30 - 10:00 Complex fiber dynamics II 10:30 - 12:00 Symmetry breaking in coupled resonators 14:00 - 15:30 Topological and nonlinear effects 16:00 - 17:15 Extreme events and forecasting techniques

Room 14b, ICM 1st Floor		CH – Optical Sensing and Microscopy 08:30 - 10:00 Imaging through scattering media 10:30 - 12:00 AI for optical sensing	CH – Optical Sensing and Microscopy 08:30 - 10:00 On-chip optical sensing 16:00 - 17:30 Field applications	CH – Optical Sensing and Microscopy 08:30 - 10:00 Optical frequency combs 10:30 - 12:00 Imaging at the nanoscale 14:00 - 15:30 Instrumentation for optical sensing and microscopy 16:00 - 17:00 Methods in optical sensing and microscopy	CH – Optical Sensing and Microscopy 08:30 - 10:00 9 Quantum and single-photon sensing 10:30 - 13:30 Fiber sensors I 14:00 - 15:30 Fiber sensors II 16:00 - 17:30 Super-resolution imaging	CH – Optical Sensing and Microscopy 08:30 - 10:00 IR & Raman sensing 10:30 -12:00 Photothermal and photoacoustic sensing 14:00 - 15:30 Bio-sensing 16:00 - 17:30 Environmental optical sensing
Room 14c ICM 1st Floor		Optical Measurement Systems for Industrial Inspection XIII 08:30 - 10:00 Artificial Intelligence in Metrology 10:30 - 12:30 Process-integrated and In-situ Measurement 13:40 - 15:20 Interferometric Techniques and Shearography 16:00 - 18:00 Fringe Projection, Structured Illumination, and Photogrammetry	Optical Measurement Systems for Industrial Inspection XIII 08:30 - 10:00 High Resolution Topography Measurement 10:30 - 12:50 Topography Measurement and Profilometry 16:00 - 18:00 Holographic Techniques	Optical Measurement Systems for Industrial Inspection XIII / Modeling Aspects in Optical Metrology IX 08:30 - 10:00 Joint Session (TracOptic) I: Modelling and Characterisation of Quantitative Microscopes 13:30 - 15:30 Joint Session (TracOptic) II: Modelling and Characterisation of Quantitative Microscopes 16:00 - 17:40 Measurement of Precision Components and Optical Systems	Optical Measurement Systems for Industrial Inspection XIII 08:30 - 10:00 Special Session, Metrology for Autonomous Vehicles 10:30 12:20 Scattering, Diffraction, and Speckle Techniques 13:30 - 15:30 Polarimetric and Spectroscopic Techniques 16:00 - 18:00 Large-area, Large and Multiscale Measurements	EE – Ultrafast Optical Science 08:30 - 10:00 Ultrafast processes in ionised media 10:30 - 12:00 Ultrafast XUV and soft X-ray spectroscopy 14:00 - 15:30 Ultrafast nonlinear optics in gases 16:00 - 17:30 Ultrafast manipulation and control
Room Osterseen ICM 2nd Floor		JSII - Infrared Integrated Photonics for Astronomical Applications 08:30 - 10:00 The photonic yield in astronomy 10:30 - 12:00 Manipulating astronomical signals with photonics and future challenges I 14:00 - 15:30 Manipulating astronomical signals with photonics and future challenges II	JSV - Diversity in Photonics 08:30 - 10:00 NanophoXonics, Optomechanical systems and Thermal Transport 16:00 - 17:30 Radiative heat transfer, thermoelectrics & thermochromics, SPP	EE – Ultrafast Optical Science 08:30 - 10:00 Ultrafast spectroscopy of solids CM-LiM Joint Session 10:30 - 11:50 M Light - matter interaction EF – Nonlinear Phenomena, Solitons and Self-Organization 14:00 - 15:30 Complex fiber dynamics I 16:00 - 17:30 Kerr solitons and frequency combs I	JSI – Free Electron Lasers 08:30 - 10:00 Ultrafast molecular dynamics CL – Photonic Applications in Biology and Medicine 10:30 - 12:00 Flow cytometry and ultrasound 14:00 - 15:30 Light-matter interaction 16:00 - 17:30 Photonic technology for biomedical applications	CL – Photonic Applications in Biology and Medicine 08:30 - 10:00 Spectroscopy 10:30 - 12:00 Advanced microscopy I 14:00 - 15:30 Advanced microscopy II 16:00 - 17:30 Novel laser sources

Room 21 ICM 2nd Floor	08:30 - 12:20 Course Design, Modeling and Fabrication Techniques for Micro-optics: Applications to Display, Imaging, Sensing and Metrology 13:30 - 17:30 Course Optical Technologies and Architectures for Virtual Reality (VR), Augmented Reality (AR) and Mixed Reality (MR) Head-Mounted Displays (HMDs)	Digital Optical Technologies 2023 08:45 - 10:00 Digital Optical Technologies Plenary Session 10:30 - 12:50 Digital Optics in AR/VR 13:50 - 15:30 Wafer Scale Fabrication Techniques and Technologies 16:00 - 18:00 Holography	Digital Optical Technologies 2023 08:00 - 10:10 Digital Optics in Sensing 10:40 - 11:40 Freeform Optics Fab and Metrology 11:40 - 12:40 Digital Optics Modelling and Simulation 16:00 - 18:00 Design Algorithms	Digital Optical Technologies 2023 08:00 - 10:00 Digital Optics for Display 10:30 - 13:00 Digital Optics in Imaging 13:00 - 13:10 Closing Remarks		EJ – Theoretical and Computational Photonics Modelling 08:30 - 10:00 Nonlinear optics modeling & artificial intelligence 10:30 - 12:00 Tailored light and optical design
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Room 22a ICM 2nd Floor	08:30 - 12:30 Course Waveguides for Mixed Reality: Principles and Applications			Emerging Technologies for Cell and Tissue Characterization 08:30 - 10:00 Polarization-Based Imaging 10:30 - 12:00 Novel Methods 13:30 - 14:15 Computational Methods 14:15 - 15:30 Dealing with Highly Scattering Media	Emerging Technologies for Cell and Tissue Characterization 08:30 - 10:00 Cell and Tissue Mechanics 10:30 - 12:00 Interferometry	EC – Topological States of Light 08:30 - 10:00 Non-linear and non-hermitian topological photonics 10:30 - 12:00 Photonic band topology 14:00 - 15:30 Emerging trends and singular photonic topology
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Room 22b ICM 2nd Floor		Additive Manufacturing 13:30 - 15:30 Laser-based AM 1 16:00 - 17:30 Laser-based AM 2	Additive Manufacturing 08:30 - 10:00 AM - Systems Eng / Simulation 1 10:30 - 12:00 AM - Systems Eng / Simulation 2 Micro Processing 16:00 - 17:30 Cutting 1	Additive Manufacturing 08:30 - 10:00 Laser metal deposition 1 10:30 - 12:00 Laser metal deposition 2 13:30 - 15:30 Laser metal deposition 3 16:00 - 17:30 Laser metal deposition 4	Additive Manufacturing 08:30 - 10:00 Laser PBF 1 10:30 - 12:00 Laser PBF 2 13:30 - 15:30 Laser PBF 3 16:00 - 17:30 Laser PBF 4	
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Hall B0, ICM Ground Floor	Poster Sessions	Poster Sessions	Poster Sessions	Poster Sessions	Poster Sessions	Poster Sessions
		13:00 - 14:00 CLEO®/Europe-EQEC: CA / CB / CM / ED / EJ / JSII	13:00 - 14:00 CLEO®/Europe-EQEC: CD / CF / CK / EG	13:00 - 14:00 CLEO®/Europe-EQEC CG / CH / EE / EF / JSI / JSIV	13:00 - 14:00 CLEO®/Europe-EQEC CE / EA / EB / EH	13:00 - 14:00 CLEO®/Europe-EQEC CC / CI / CJ / CL / EC / EI / JSIII
		12:30 - 13:30 ECBO Poster Session		12:30 - 13:30 Optical Metrology Posters-Wednesday		
				13:10 - 14:10 Digital Optical Technologies Postes-Wednesday		

Day	Sunday June 25	Monday June 26	Tuesday June 27	Wednesday June 28	Thursday June 29	Friday June 30
Room 7 "Charles Townes" A 11 - Hall A1		CE – Optical Materials, Fabrication and Characterisation 08:30 - 10:00 Specialty optical fibres 10:30 - 11:45 Hollow core optical fibres 14:00 - 15:30 Optical materials: Structures	EA – Quantum Optics and Quantum Matter 08:30 - 10:00 Fundamental quantum optics CJ – Fibre and Guided Wave Lasers and Amplifiers 16:00 - 17:30 Transverse mode instability in fiber lasers and amplifiers	CJ – Fibre and Guided Wave Lasers and Amplifiers 08:30 - 10:00 Beam combination of fiber lasers and amplifiers 10:30 - 12:00 Mode-locked fiber lasers 14:00 - 15:30 Specialty fiber characterisation techniques and components 16:00 - 17:30 Novel fiber lasers	CJ – Fibre and Guided Wave Lasers and Amplifiers 08:30 - 10:00 Specialty fiber and devices CE – Optical Materials, Fabrication and Characterisation 10:30 - 12:00 Sensor materials and structures 14:00 - 15:30 Optical materials: measurements 16:00 - 17:30 Nonlinear optical materials	
Room 8 "Gustav Hertz" A 12 - Hall A1		EB – Quantum Information, Communication, and Sensing 08:30 - 10:00 Optomechanical and other quantum oscillators 10:30 - 12:00 Quantum interferometry 14:00 - 15:30 Quantum optics I	EB – Quantum Information, Communication, and Sensing 08:30 - 10:00 Quantum computation I 16:00 - 17:30 Quantum key distribution	EB – Quantum Information, Communication, and Sensing 08:30 - 10:00 Integrated quantum optics 10:30 - 12:00 Quantum sensing 14:00 - 15:30 Quantum imaging 16:00 - 17:30 Quantum communication	EB – Quantum Information, Communication, and Sensing 08:30 - 10:00 Quantum memories 10:30 - 12:00 Single photon sources and detectors 14:00 - 15:30 Quantum optics II 16:00 - 17:30 Quantum simulation and computation	
Room 1 "Albert Einstein" B11 - Halle B1		CF – Ultrafast Optical Technologies 08:30 - 10:00 Advances in attosecond technology and high order harmonic generation I 10:30 - 12:00 Advances in attosecond technology and high order harmonic generation II 14:00 - 15:30 Complex pulses and their characterization	CF – Ultrafast Optical Technologies 08:30 - 10:00 Complex pulse shaping and characterization 16:00 - 17:30 Carrier-envelope phase metrology and applications	CF – Ultrafast Optical Technologies 08:30 - 10:00 New trends in post-compression I 10:30 - 12:00 Ultrafast laser technology I 14:00 - 15:30 Ultrafast laser technology II 16:00 - 17:30 Ultrafast spectroscopy	CF – Ultrafast Optical Technologies 08:30 - 10:00 New trends in post-compression II CC – Terahertz Sources and Applications 10:30 - 12:00 Nonlinear THz phenomena 14:00 - 15:30 High power THz sources 16:00 - 17:30 Novel approach THz sources	

Room 2 "Emmy Noether" B12 - Halle B1		08:30 - 12:00 Short course: Laser beam analysis, propagation, and spatial Shaping techniques CL – Photonic Applications in Biology and Medicine 14:00 - 15:30 Brain Imaging	ED – Precision Metrology and Frequency Combs 08:30 - 10:00 Cavity-enhanced precision spectroscopy CE – Optical Materials, Fabrication and Characterisation 16:00 - 17:30 Emission materials	08:30 - 12:00 Short course: High-power fiber lasers 14:00 - 17:30 Short course: Nonlinear crystal optics	08:30 - 12:00 Short course: Optical parametric oscillators 14:00 - 17:30 Short course: Mid-infrared semiconductor lasers	
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Room 3 "Wilhelm Röntgen" B13 - Halle B1		Optical Methods for Inspection, Characterization, and Imaging of Biomaterials VI 08:00 - 10:00 Quantitative Phase Imaging and Tomography I 10:30 - 12:30 Quantitative Phase Imaging and Tomography II 13:30 - 15:30 Special Session on Digital and Computational Pathology I 16:00 - 17:30 Special Session, Digital and Computational Pathology III	Optical Methods for Inspection, Characterization, and Imaging of Biomaterials VI 08:00 - 10:00 Systems and Methods for Biosensing 10:30 - 12:50 Special Session, Single-cell Flow Cytometry 16:00 - 17:50 AI-powered Microscopy	Optical Methods for Inspection, Characterization, and Imaging of Biomaterials VI 08:40 - 10:00 Special Session, Digital and Computational Pathology IV 13:40 - 15:30 Innovative Diagnostic Tools I 16:00 - 18:10 Innovative Diagnostic Tools II	Optical Methods for Inspection, Characterization, and Imaging of Biomaterials VI 08:30 - 10:00 Advanced Optics and Photonic Systems I 10:30 - 12:10 Advanced Optics and Photonic Systems II 13:20 - 15:30 High Throughput Imaging Modalities 16:00 - 17:40 Advanced Optics and Photonic Systems III	
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Room 4 "Theodore Maiman" B21 - Halle B2		Optical Coherence Imaging Techniques and Imaging in Scattering Media 08:45 - 10:00 Novel Hardware Approaches for Optical Coherence Imaging 10:30 - 12:00 Imaging Technologies for Clinical Applications 16:00 - 17:15 Advances in Eye Imaging: Functional and Animal	Optical Coherence Imaging Techniques and Imaging in Scattering Media 08:30 - 10:00 Advances in Eye Imaging: Anterior Segment 10:30 - 12:00 Advances in Optical Coherence Imaging: Principles 16:00 - 17:00 Multimodal Imaging	Optical Coherence Imaging Techniques and Imaging in Scattering Media 08:30 - 10:00 Advances in Optical Coherence Imaging: New Methods 10:30 -12:00 Cell and Tumor Imaging and Applications in Biology Advances in Microscopic Imaging 13:30 - 15:15 Advanced Multiphoton Imaging 14:15 - 15:15 Coherent Raman Techniques 15:30 - 16:45 Wavefront Control and Adaptive Optics	Advances in Microscopic Imaging 08:45 - 10:00 Fast Imaging Methods 10:30 - 12:00 Phase and Polarization Imaging 13:30 - 14:15 Computational Imaging 14:15 - 15:00 Technological Advances	
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Room 5 "Thomas Edison" B 22 - Halle B2				08:30 - 12:00 Short course: Silicon photonics 14:00 - 17:30 Short course: Frequency combs principles and applications	08:30 - 12:00 Short course: Practical quantum optics 14:00 - 17:30 Short course: THz measurements and their applications	
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Room 6 "Emmett Leith" B 32 - Halle B3		ED – Precision Metrology and Frequency Combs 08:30 - 10:00 Precision spectroscopy for fundamental science 10:30 - 12:00 Direct comb spectroscopy 14:00 - 15:30 Frequency references and transfer	CG – High-Field Laser and Attosecond Science 08:30 - 10:00 Ultrafast magnetic fields and anisotropy 16:00 - 17:30 Ultrafast physics in condensed matter	CI – Optical Technologies for Communications and Data Storage 08:30 - 10:00 Fibers for telecommunications 10:30 - 12:00 Frequency combs 14:00 - 15:30 Ultrafast telecommunications 16:00 - 17:30 Fibers for telecommunications and THz	CG – High-Field Laser and Attosecond Science 08:30 - 10:00 Tailored targets and fields 10:30 - 12:00 Few-cycle drivers and harmonic sources 14:00 - 15:30 Ultrafast quantum physics and correlated systems 16:00 - 17:30 Attosecond methods and fundamentals	
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