World of Photonics Congress 2009 Overview

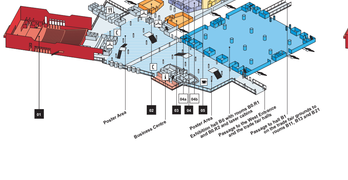
Rooms	Sunday, 14 June	Monday, 15 June	Tuesday, 16 June	Wednesday, 17 June	Thursday, 18 June	Friday, 19 June
Room 1 Ground Floor/ 1st Floor, Congress Centre		**Joint Event** 9.30–10.15 Congress Opening **Plenary 1 by CLEO/Europe-EQEC 2009** 10.15–11.00 CLEO/Europe-EQEC 2009 Plenary I **Photonic Crystals, Photonic Nanostructures and Integrated Optics** 11.00–12.30 Micro and Nanocavities I **Nanophotonics, Plasmonics, Near Field Optics** 14.30–16.00 Plasmonics I	**Optical Materials, Fabrication and Characterisation** 8.30–10.00 Microstructured Materials and Devices **Plenary 2 by CLEO/Europe-EQEC 2009, EPS/QEOD and OSA Awards Ceremony** 10.30–11.40 Hansche Plenary plus 5–10 minute "Lunisbow Memorial" 11.40–12.30 QEOD Conference Address, EPS-QEOD Awards + OSA Fellow Awards **Herbert Walther Award** 12.30–13.15 Herbert Walther Award and Address by David Wineland **Cold Atoms and Molecules, Bose-Einstein Condensates** 14.30–16.00 Mottar Wave Optics in Optical Lattices 16.30–18.00 Low Dimensions and Interactions	**Plenary by Optical Metrology** 10.30–11.20 Plenary Session **Semiconductor Lasers** 14.30–16.00 Silaxlight and GaSb Lasers 16.30–18.00 Physics of Semiconductor Lasers	**Semiconductor Lasers** 8.30–10.00 Nonlinear Dynamics and its Applications 10.30–12.00 MIR and THz Quantum Cascade Lasers 14.30–16.00 Quantum Cascade Lasers 16.30–18.00 High-Power Lasers	
Room 2 Ground Floor, Congress Centre		**High Power Laser Material Processing** 14.00–15.45 Welding and Bracing I 16.15–18.30 Welding and Bracing II	**High Power Laser Material Processing** 8.30–10.15 Direct Metal Deposition I 10.45–12.30 Direct Metal Deposition II 14.00–15.45 Welding and Brazing III 16.15–18.00 Final project presentation Fülser–Flexible laser-guided arc welding of high-strength steels and light metals	**High Power Laser Material Processing** 8.30–10.15 Rapid Technologies 10.45–12.30 Cutting 14.00–15.45 Advanced System Technologies and Applications I 16.15–18.00 Advanced System Technologies and Applications II	**High Power Laser Material Processing** 8.30–10.15 Process Sensing and Control I 10.45–12.30 Process Sensing and Control II 14.00–15.45 Surface Modification I 16.15–18.00 Surface Modification II	
Room 3 Ground Floor, Congress Centre		**Cold Atoms and Molecules, Bose-Einstein Condensates** 11.00–12.30 Novel Developments in Trapping and Cooling **Microprocessing** 14.00–15.45 Biomedical Applications 16.15–18.15 Laser Micro Forming	**Microprocessing** 8.30–10.15 Applications in Electronics 10.45–12.30 Micromachining of Metals and Ceramics I 14.00–15.45 Micromachining of Metals and Ceramics II 16.15–18.30 Micromachining of Metals and Ceramics III	**Microprocessing** 8.30–10.15 Applications in Photovoltaics 10.45–12.30 Micromachining of semiconductors, glass and other dielectrics I 14.00–15.45 Micromachining of semiconductors, glass and other dielectrics II 16.15–18.30 Micromachining of semiconductors, glass and other dielectrics III	**Microprocessing** 8.30–10.15 Microjoining I 10.45–12.15 Microjoining II 14.00–15.45 Fundamentals and Modelling of Materials Processing with Lasers 16.15–17.30 Media Assisted and Hybrid Processes	
Room 4 Ground Floor, Congress Centre				**Industry Forum** 8.00–14.30 9th International Laser Marketplace		
Room 4a Ground Floor, Congress Centre	**SH3** 14.30–18.00 Practical Quantum Optics	**Molecular Imaging** 9.00–10.00 Novel Developments towards the Clinics 13.30–15.00 Techniques for Live Cell Imaging **Optical Coherence Tomography and Coherence Techniques** 16.30–18.30 New Probes and Contrast Mechanisms for *in vivo* Imaging	**Cold Atoms and Molecules, Bose-Einstein Condensates** 8.30–10.00 Cold Molecules **Quantum and Atom Optics in Microstructures** 14.30–16.00 Atoms and Microresonators 16.30–18.00 Photon Emission and Resonant Light		**Dynamics, Instabilities, and Patterns** 8.30–10.00 Patterns, Self-Organization and Control 10.30–12.00 Nonlinear Dynamics in Semiconductor Lasers **Quantum Optics** 14.30–16.00 Quantum Entanglement 16.30–18.00 Squeezed Light and Quantum Entanglement	
Room 4b Ground Floor, Congress Centre	**SH4** 14.30–18.00 Optical Parametric Oscillators	**Application-Specific, High-Performance Image Sensors** 11.20–12.35 Application-Specific, High-Performance Image Sensors I 14.30–16.00 Application-Specific, High-Performance Image Sensors II 16.30–17.30 Application-Specific, High-Performance Image Sensors III	**Single-Photon Imaging** 8.45–10.00 Single-Photon Imaging I 10.30–11.50 Single-Photon Imaging II **Advanced Optical 3D Imaging** 13.25–18.00 Advanced Optical 3D Imaging I		**Fundamentals of Nonlinear Optics** 8.30–10.00 Discrete Solitons **Holography, Adaptive Optics, Optical Storage and Photorefractives** 10.30–12.00 Laser Beam Control and Applications 14.30–16.00 Data Storage and Holography 16.30–18.00 Mott Linear Wave Mixing and Photorefraction	**Quantum Optics** 8.30–10.00 Quantum Optics I 10.30–12.00 Quantum Optics II
Room 5 1st Floor, Congress Centre	**Plenary Talk by ECOO** 13.00–15.00 ECOO Plenary Session **Optical Coherence Tomography and Coherence Techniques** 15.30–17.00 Endoscopic Applications of OCT 17.30–18.45 Ophthalmic OCT I	**Optical Coherence Tomography and Coherence Techniques** 9.00–10.00 Dermatological OCT 13.30–15.00 Optical Coherence Tomography and Coherence Techniques Poster Preview 16.30–18.30 Pre-Clinical and Clinical Apps I	**Optical Coherence Tomography and Coherence Techniques** 9.00–10.00 Light Sources and OCT Systems 10.30–12.30 OCT Signal and Image Processing 13.30–15.00 Functional Imaging **World of Photonics Joint Session** 15.30–18.00 Label Free Molecular Imaging in Metabolics	**Optical Coherence Tomography and Coherence Techniques** 9.00–10.00 Functional OCT in Ophthalmology 10.30–12.30 Pre-Clinical and Clinical Apps II 14.00–16.00 Novel OCT Technology 16.30–18.30 Ophthalmic OCT II	**Clinical and Biomedical Spectroscopy** 8.00–10.00 Minimally Invasive Diagnostics I 10.30–12.30 Minimally Invasive Diagnostics II 14.00–16.00 Clinical and Preclinical Tissue Characterization I 16.30–18.30 Clinical and Preclinical Tissue Characterization II	**Nanophotonics, Plasmonics, Near Field Optics** 8.30–10.00 Nanophotonics 10.30–12.00 Quantum Plasmonics
Room 11 1st Floor, Congress Centre	**Novel Optical Instrumentation for Biomedical Applications** 15.30–17.00 Advanced Imaging and Spectroscopy I 17.30–18.30 Advanced Imaging and Spectroscopy II	**Optical Technologies for Lightwave Communications and Networks** 11.00–12.30 Optical Transmission Systems **Novel Optical Instrumentation for Biomedical Applications** 13.30–15.00 Tissue and Specimen Imaging I 15.30–16.30 Tissue and Specimen Imaging II	**Novel Optical Instrumentation for Biomedical Applications** 9.00–10.00 Photoacoustic I 10.30–12.30 Photoacoustic II 13.30–15.00 Lab on a Chip **Applications of Nonlinear Optics** 15.30–18.00 Advanced Concepts of Wave-Mixing	**Therapeutic Laser Applications and Laser-Tissue Interactions** 9.00–10.00 Cellular Surgery I 10.30–12.30 Cellular Surgery II 14.00–16.00 Opthalmology 16.30–18.15 Novel Approaches	**Therapeutic Laser Applications and Laser-Tissue Interactions** 9.00–10.00 Photodynamic Therapy I 10.30–12.30 Photodynamic Therapy II 14.00–16.00 Modelling 16.30–18.30 Clinical Laser Therapy	**Optical Sensing and Metrology** 8.30–10.00 Surface Enhanced Sensing 10.30–12.00 Advances in Spectroscopy
Room 12 1st Floor, Congress Centre	**Diffuse Optical Imaging** 15.30–17.00 Brain Imaging and Spectroscopy I 17.30–18.30 Brain Imaging and Spectroscopy II	**High-field Laser Physics and Applications** 11.00–12.30 Frontiers in Broad Band High–Power Laser Systems 14.30–16.00 High Harmonic Generation and Attosecond Science 16.30–18.00 Light-Controlled Atomic and Molecular Processes	**High-field Laser Physics and Applications** 8.30–10.00 Laser Driven Ionization and Particle Acceleration **Optical Materials, Fabrication and Characterisation** 14.30–16.00 Semiconductor Materials and Structures 16.30–18.15 Lithium Niobate, Material and Waveguide Technologies	**Novel Optical Instrumentation for Biomedical Applications** 10.30–12.15 Endoscopic Techniques **Diffuse Optical Imaging** 14.00–16.00 Experimental Techniques III	**Biophotonics and Applications** 8.30–10.00 Biophotonics Applications 10.30–12.30 Nano Particles and Plasmonics 14.30–16.00 Therapy and Analysis 16.30–18.00 Imaging and Microscopy	**Fundamentals and Modelling of Materials Processing with Lasers** 8.30–10.00 Laser-Materials Interactions Fundamentals 10.30–12.00 Laser Processing for Devices and Photonics
Room 13a 1st Floor, Congress Centre		**Solid-State Lasers** 11.00–12.30 High Power Solid-State Lasers 14.30–16.00 Mode-Locked Thin-Disk Lasers 16.30–18.00 Power Scaling Concepts	**Solid-State Lasers** 8.30–10.00 High Energy Ultrafast Lasers 14.30–16.00 Q-switched Solid-State Lasers 16.30–18.00 Novel Solid-State Lasers and Applications	**Ultrafast Optics, Electrooptics and Applications** 8.30–10.00 Ultrafast Oscillators 10.30–12.00 Ultrafast Fiber Oscillators and Amplifiers **Solid-State Lasers** 14.30–16.00 Femtosecond Lasers 16.30–18.00 Passively Mode-Locked and Q-Switched Lasers		**World of Photonics Joint Session: Quantum States of Light on Demand** 8.30–10.00 Quantum States of Light on Demand I 10.30–12.00 Quantum States of Light on Demand II
Room 13b 1st Floor, Congress Centre	**Plenary Talk by Lasers in Manufacturing** 11.00–12.45 Keynote Session—Advances in Laser Material Processing **Optical Technologies for Lightwave Communications and Networks** 14.30–15.00 Nonlinear Optical Processing for Lightwave Communications **Photonic Crystals, Photonic Nanostructures and Integrated Optics** 16.30–18.00 Near-Field Probing and Control of Pcs and Micro-Nano Cavities	**Photonic Crystals, Photonic Nanostructures and Integrated Optics** 14.30–16.00 Nanophotonics—Challenges, Applications, Fabrication 16.30–18.00 Nanoplasmonics and Extraordinary Transmission		**Fibre and Guided Wave Lasers and Amplifiers** 8.30–10.00 Fiber Laser Characterization and Components 10.30–12.00 High Power Fiber Lasers 14.30–16.00 Beam Combined Fibre Lasers 16.30–18.00 Advanced Fiber Laser Materials and Mechanisms I	**Fibre and Guided Wave Lasers and Amplifiers** 8.30–10.00 Advanced Fiber Lasers Materials and Mechanisms II 10.30–12.00 Near Infrared and 2-um Pulsed Fiber Lasers 14.30–16.00 Waveguide Lasers and Femtosecond Inscription 16.30–18.00 High Pulse Energy Mode-Locked Fiber Lasers	**Fibre and Guided Wave Lasers and Amplifiers** 8.30–10.00 Chirped Pulse Amplification Systems 10.30–12.00 Novel Mode-Locked Fiber Laser Techniques and Components
Room 14a 1st Floor, Congress Centre		**Optical Materials, Fabrication and Characterisation** 11.00–12.30 Rare Earth Doped Materials and Devices 14.30–16.00 Bulk Optical Materials and Components 16.30–18.00 Novel Optical Fibers	**Optical Technologies for Lightwave Communications and Networks** 8.30–10.00 Fixed and Wireless Access Networks 14.30–16.00 Optical Techniques and Devices for Advanced Communication Systems **Ultrafast Phenomena and Frequency Combs** 16.30–18.00 Precision Spectroscopy with Frequency Combs	**Optical Materials, Fabrication and Characterisation** 8.30–10.00 Organic Optoelectronics **Applications of Nonlinear Optics** 10.30–12.00 Frequency Conversion 14.30–16.00 Nonlinear Spectroscopy **Fundamentals and Modelling of Materials Processing with Lasers** 16.30–18.00 Femtosecond Laser Processing	**Optical Sensing and Metrology** 8.30–10.00 Sensors Based on Resonant Cavity Modes and Photonic Crystal Fibres 10.30–12.00 From Metrology to Cosmology	**Ultrafast Optics, Electrooptics and Applications** 8.30–10.00 Ultrafast Pulse Characterization 10.30–12.00 Ultrafast Frequency Conversion
Room 14b 1st Floor, Congress Centre		**Semiconductor Lasers** 11.00–12.30 Novel Emitters 14.30–16.00 Micro and Nanocavity Lasers 16.30–18.00 Quantum Dot Devices	**Semiconductor Lasers** 8.30–10.00 Physics of Quantum Dot Lasers 14.30–16.00 Semiconductor Disk Lasers 16.30–18.00 Semiconductor Ring Lasers	**Photonic Crystals, Photonic Nanostructures and Integrated Optics** 8.30–10.00 Slow Light and Surface Plasmons 10.30–12.00 Switching in PCs and Nano Cavities 14.30–16.00 Discovered Materials and Random Lasers 16.30–18.00 Microcavities and Lasers	**Photonic Crystals, Photonic Nanostructures and Integrated Optics** 8.30–10.00 Waveguide Structures and Photonic Crystal Fibers 10.30–12.30 Emitters in Photonic Crystals, Optomechanical Resonators **World of Photonics Joint Session: Fundamentals and Modelling of Materials Processing with Lasers** 14.30–16.00 Laser Surface Modification 16.30–18.00 Laser Materials Processing	**Semiconductor Lasers** 8.30–10.00 VCSELs 10.30–12.00 Mode-Locking
Room 14c 1st Floor, Congress Centre		**Optical Measurement Systems for Industrial Inspection** 9.00–10.30 Multimodal Approaches and Strategies 10.30–12.40 Digital Holography 14.00–16.00 Fringe Projection Deflectometry	**Optical Measurement Systems for Industrial Inspection** 8.30–10.00 Surface Metrology 10.30–11.50 Measurements of Figures and Phase Objects 13.30–15.00 Measurement of Shape and Roughness 16.30–17.50 3D Interferometry	**Optical Measurement Systems for Industrial Inspection** 8.20–10.00 Optics Testing 11.30–12.30 Novel Interferometric Sensors 13.45–15.10 Optics Measurement I 16.20–18.00 Optics Measurement II **World of Photonics Joint Session: Optics Measurement I and Optics Measurement II** 13.40–16.50 Joint Session I 16.20–18.00 Joint Session II		**Optical Measurement Systems for Industrial Inspection** 8.40–10.00 Wave Optics Metrology and Thickness Measurement 10.20–12.20 Position, Displacement, and Vibration Measurement
Room 21 2nd Floor, Congress Centre	**Advanced Microscopy Techniques** 15.30–17.00 Confocal/3-D Microscopy 17.30–18.30 Photophysics I	**Advanced Microscopy Techniques** 9.00–10.00 Photophysics II 13.30–15.00 Optical Sectioning 16.30–18.30 NLO I—Applications	**Advanced Microscopy Techniques** 8.00–10.00 NLO II—Methods 10.30–12.30 Localization and High Precision 13.30–15.00 Holographic Methods **Precision Metrology and Fundamental Limits** 16.30–18.00 Optical Cavities and Precision Measurements	**Dynamics, Instabilities, and Patterns** 8.30–10.00 Spatial Soliton Lasers 10.30–12.00 Pulsed Dissipative Solitons and Digital Optics **Ultrafast Optics, Electrooptics and Applications** 14.30–16.00 Ultrafast Amplifiers **Quantum Information and Cryptography** 16.30–18.00 Novel Quantum Entanglement	**Applications of Nonlinear Optics** 14.30–16.00 Laser Sources and Parametric Amplification 16.30–18.00 Photonic Crystal Fibres and Structures	**Applications of Nonlinear Optics** 8.30–10.00 Nonlinear Optics in Medicine 10.30–12.00 Guided Waves Nonlinear Optics **Fundamentals of Nonlinear Optics** 14.30–16.00 Emerging Topics in Nonlinear Optics 16.30–18.00 Guided Nonlinear Optics
Room 22 2nd Floor, Congress Centre		**Metamaterials, Optical Invisibility, and Transformation Optics** 11.00–12.30 Metamaterials I 14.30–16.00 Metamaterials II 16.30–18.00 Metamaterials III	**World of Photonics Joint Session: Large-Scale Photonic Integration** 8.30–10.00 Large-Scale Photonic Integration **World of Photonics Joint Session: Laser Tweezers and Light Matter Interactions** 14.30–16.00 Optical Trapping Landscapes and Forces 16.30–18.00 Optical Trapping Theory and Applications	**High-Volume Manufacturing of Optical Components** 8.30–10.05 Glass Optics 10.30–12.25 Polymer Optics		**Ultrafast Optics, Electrooptics and Applications** 8.30–10.00 Novel Optics in Rare Femtosecond Amplifiers 10.30–12.00 Femtosecond Filamentation **Nanophotonics, Plasmonics, Near Field Optics** 14.30–16.00 Plasmonics II 16.30–18.00 Nonlinear Nano-Optics
Room 22a 2nd Floor, Congress Centre	**SH1** 14.30–18.00 Plasmonics					
Room 22b 2nd Floor, Congress Centre	**SH2** 14.30–18.00 Optical Amplifiers					
Room B11 1st Floor, Exhibition Hall B1				**Ultrafast Phenomena and Frequency Combs** 8.30–10.00 Ultrafast Molecular Dynamics 10.30–12.00 Ultrafast Spectroscopy on Solid-State Systems 14.30–16.00 Frequency Combs and Nonlinear Optics **Applications of Nonlinear Optics** 16.30–18.00 Supercontinuum Generation and Optical Rogue Waves	**Fundamentals and Modelling of Materials Processing with Lasers** 8.30–10.00 Dynamics, Diagnostics and Modelling 10.30–12.00 Micro and Nano Structuring Fabrication **Optical Sensing and Metrology** 14.30–16.00 Challenging Aspects of Optical Metrology 16.30–18.00 Novel Optical Sensing Devices	
Room B13 1st Floor, Exhibition Hall B1		**Modeling Aspects in Optical Metrology** 8.10–10.00 Optical Systems 10.30–11.50 Wave Propagation and Polarization 14.00–16.00 Interferometry and Phase	**Modeling Aspects in Optical Metrology** 8.30–10.00 Maxwell Solvers 10.30–12.00 Inverse Metrology 13.30–16.00 Scatterometry 16.30–17.50 Holography and OCT	**O3A: Optics for Arts, Architecture, and Archaeology** 8.40–10.00 Spectroscopy I 11.30–12.50 Spectroscopy II 14.30–16.00 Visualisation 16.30–17.40 Terahertz Imaging		**O3A: Optics for Arts, Architecture, and Archaeology** 10.30–12.20 OCT 14.00–15.50 3D
Room B21 1st Floor, Exhibition Hall B2		**Precise Optics Fabrication** 11.25–12.25 Next Generation Precise Optics 14.10–16.00 Precise Optics Techniques and Fabrication I 16.25–17.45 Precise Optics Techniques and Fabrication II	**Micro-Optics and Structured Surface Technologies** 8.30–10.05 Advanced Manufacturing Techniques for Micro-Optics I 10.30–12.10 Advanced Manufacturing Techniques for Micro-Optics II 13.50–16.00 Beam Shaping and Applications and Recent Advances in Micro-Optics			**Optical Measurement Systems for Industrial Inspection** 13.40–16.00 Object Inspection and Defect Detection 16.20–18.00 Nondestructive Testing
Room B0.R1 Ground Floor, Congress Centre Hall B0	**LaserMed-Update** 8.30–17.30 LaserMed-Update	**LaserMed-Science** 8.30–8.50 Diagnostic–Preclinical 9.20–10.20 Diagnostic-Tools in the pipeline 11.00–12.00 Diagnostic–Clinics 14.00–15.30 Laser therapy 15.50–17.20 Photodynamic therapy (PDT) 17.30–18.00 Basic investigations	**Precision Metrology and Fundamental Limits** 8.30–10.00 Optical Frequency Standards **World of Photonics Joint Session: High Power Laser Material Processing** 13.30–16.00 Fibre Lasers and Amplifiers Concepts to Applications I 16.30–18.00 Fibre Lasers and Amplifiers Concepts to Applications II	**World of Photonics Joint Session: Optics Beyond the Rayleigh Resolution Limit** 8.30–10.00 Optics beyond the Rayleigh Resolution Limit I 10.30–12.00 Optics beyond the Rayleigh Resolution Limit II **Quantum Optics** 14.30–16.00 Quantum Optics of Single Atom, Quantum Dots, etc. 16.30–18.00 Quantum Optics of Cold Atoms and Simple Photon Sources	**Quantum Information and Cryptography** 8.30–10.00 Future Technologies for Quantum Information 10.30–12.00 Multiphotons for Quantum Information 14.30–16.00 Quantum Interfaces, Atoms, Ions, Detectors 16.30–18.00 Quantum Key Distribution Systems	**Fundamentals of Nonlinear Optics** 8.30–10.00 Spatial Solitons 10.30–12.00 Nonlinear Processes in Structured Materials
Room B0.R2 Ground Floor, Congress Centre Hall B0		**Diffuse Optical Imaging** 9.00–10.00 Theoretical Analysis and Modelling I and Poster Preview 13.30–15.00 Theoretical Analysis and Modelling II 16.30–18.30 Imaging of Breast and Other Organs	**Diffuse Optical Imaging** 9.00–10.00 Experimental Techniques I **Clinical and Biomedical Spectroscopy** 10.30–12.30 Opthalmology/Cardiology **Diffuse Optical Imaging** 13.30–15.00 Experimental Techniques II	**Clinical and Biomedical Spectroscopy** 9.00–10.00 Skin Diagnostics I 10.30–12.30 Skin Diagnostics II 14.00–16.00 Biospectroscopy and Point-of-Care Diagnostics I 16.30–18.15 Biospectroscopy and Point-of-Care Diagnostics II	**World of Photonics Joint Session: Terahertz Sources and Applications** 8.30–10.00 THz Time-Domain Spectroscopy Materials 10.30–12.00 Nonlinear THz Dynamics 14.30–16.00 THz QCLs and other Sources 16.30–18.00 THz Systems and Components	**Applications of Nonlinear Optics** 8.30–10.00 Nonlinear Optics and Signal Processing 10.30–12.00 Short Pulses
Hall B0 Ground Floor, Congress Centre	**Joint Event** 8.30–18.00 Special exhibit "Medical Laser Applications Exhibition"	**Joint Event** 8.30–18.00 Special exhibit "Medical Laser Applications Exhibition"				
Hall B0 Cabins Ground Floor, Congress Centre	**LaserMed-HandsOn** 9.00–17.00 LaserMed-HandsOn	**LaserMed-HandsOn** 9.00–17.00 LaserMed-HandsOn				
Hall B1 Photonics Forum (Stand 1559)		**Application Panels** 14.00–16.30 Visions for future diagnostics—Laser based photon and particle beams for medical applications	**Application Panels** 14.00–16.30 Lasers for biophotonics	**Application Panels** 10.00–14.30 Visions for future diagnostics		
Hall B2 Photonics Forum (Stand 403)		**Application Panels** 14.00–16.30 Short-pulse lasers in commercial applications	**Application Panels** 13.00–17.00 Novel developments in solid state laser technology	**Application Panels** 10.00–13.00 Sustainable illumination concepts 14.00–16.30 Optical components and materials for high-power-laser		
Hall C1 Photonics Forum (Stand 479)		**Application Panels** 14.00–16.30 Lasers for photovoltaics	**Application Panels** 14.00–16.30 Photovoltaics technologies utilizing lasers	**Application Panels** 10.00–12.30 Rapid manufacturing 14.00–16.30 Use of high-brilliance beam sources		
Exhibition Halls B1, B2, C1, C2		**Joint Event** 9.00–17.00 LASER World of PHOTONICS Exhibition	**Joint Event** 9.00–17.00 LASER World of PHOTONICS Exhibition	**Joint Event** 9.00–17.00 LASER World of PHOTONICS Exhibition	**Joint Event** 9.00–16.00 LASER World of PHOTONICS Exhibition	
Foyer ICM Ground Floor Congress Centre		**Poster Session** 13.30–14.30 Optical Materials, Fabrication and Characterisation High-field Laser Physics and Applications Optical Technologies for Lightwave Communications and Networks Photonic Crystals, Photonic Nanostructures and Integrated Optics **Molecular Imaging, Diffuse Optical Imaging, Optical Coherence Tomography and Coherence Techniques, Advanced Microscopy Techniques** 15.00–15.30 Joint MI/DOI/OCT/AMT Poster Session **Joint Event** 18.00 Opening LASER World of PHOTONICS and Reception for World of Photonics Congress and LASER World of PHOTONICS	**Poster Session** 13.30–14.30 Solid-State Lasers Semiconductor Lasers Applications of Nonlinear Optics **Clinical and Biomedical Spectroscopy, Therapeutic Laser Applications and Laser-Tissue–Interactions, Novel Optical Instrumentation for Biomedical Applications** 15.00–16.30 Joint MI/DOI/OCT/AMT Poster Session	**Poster Session** 13.30–14.30 Ultrafast Optics, Electrooptics and Applications **World of Photonics Joint Session: Poster Session** 13.30–16.30 Quantum States of Light on Demand: Concepts to Applications **Poster Session** 13.30–14.30 Quantum Optics Quantum Information and Cryptography Fundamentals of Nonlinear Optics Ultrafast Phenomena and Frequency Combs Dynamics, Instabilities, and Patterns Nanophotonics, Plasmonics, Near Field Optics	**Poster Session** 13.30–14.30 Holography, Adaptive Optics, Optical Storage and Photorefractives Optical Sensing and Metrology Fibre and Guided Wave Lasers and Amplifiers Biophotonics and Applications Fundamentals and Modelling of Materials Processing with Lasers **World of Photonics Joint Session: Poster Session** 13.30–16.30 Terahertz Sources and Applications	**Poster Session** 13.30–14.30 Nonlinear Optics and Signal Processing Ultrafast Optics, Electrooptics and Applications Semiconductor Lasers Applications of Nonlinear Optics Biophotonics Applications Nanophotonics, Plasmonics, Near Field Optics
Foyer ICM 1st Floor Congress Centre		**Poster Session** 16.30–18.00 Modeling Aspects in Optical Metrology Optical Measurement Systems for Industrial Inspection O3A: Optics for Arts, Architecture, and Archaeology	**Poster Session** 16.30–18.00 Precise Optics Fabrication Micro-Optics and Structured Surface Technologies High-Volume Manufacturing of Optical Components Metrology of Advanced Optics **Poster Session** 16.30–18.00 Application-Specific, High-Performance Image Sensors Advanced Optical 3D Imaging Single-Photon Imaging			

Joint Events/ Plenary Talks · CLEO®/Europe 2009–European Conference on Lasers and Electro-Optics · EQEC 2009–European Quantum Electronics Conference · Lasers in Manufacturing–LIM 2009 · European Conferences on Biomedical Optics (ECBO 2009) · Optical Metrology · Medical Laser Applications · Manufacturing of Optical Components · Frontiers in Electronic Imaging · Application Panels · International Laser Marketplace · World of Photonics Joint Session Manufacturing of Optical Components/Optical Metrology · World of Photonics Joint Session CLEO®/Europe-EQEC 2009 · World of Photonics Joint Session CLEO®/Europe 2009 – ECBO · World of Photonics Joint Session CLEO®/Europe-EQEC 2009/LiM

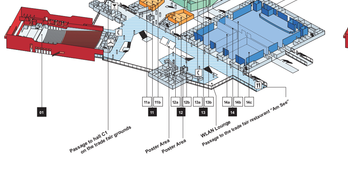
Subject to changes / The spoken word shall prevail

ICM—Floor Plan

Ground floor with Hall B0



1st floor



2nd floor