



Programme Overview

	Harmonie 1	Harmonie 2	Harmonie 3	Harmonie 4	Harmonie 5	Harmonie 6	Spektrum	Illusion/Fantasia
Sunday 22.09.2024								
09:00	WS1: Has the Time Come for Quantum-Secure Optical Networks?	WS2: Massively Parallel Optical Transceivers and Interfaces – Where Are we on This Path?	WS3: What Is the Best Wavelength for Free-Space Optical (FSO) Communication?	WS4: When Could Multi-Band Systems Become More Cost-Effective Than Parallel C-Band Systems?	WS5: What Can Digital Twins Fueled With Generative AI Offer to Optical Networks?	WS6: 6G in Buildings: Head Against the Wall?	WS7: Overhyped or the Real Deal: Which Photonics Integration Platform Will Lead the Way?	10th International Symposium for Optical Interconnects in Data Centres (Illusion)
10:30	Coffee Break (Conference Center)							
11:00	WS1: continued	WS2: continued	WS3: continued	WS4: continued	WS5: continued	WS6: continued	WS7: continued	
12:30	Lunch Break (on your own)							
14:00	WS8: Is QKD Technology Ready to Become a Standard for Secure Communications?	WS9: Intra-Datacenter Connectivity: Bottlenecks & Trends for AI Clusters	WS10: Is There a Gold Standard Fiber Optic Sensing Technology to Monitor the Environment Around Us?	WS11: Beyond 50G-PON – Can We Still Use IMDD?	WS12: How Will AI Affect Future Transmission Systems?	WS13: Emerging From Under the Sea – Where Will SDM Land?	WS14: Mobile Optics for 6G and Open Cloud RAN: New Concepts or More of the Same?	Rump Session (Illus.)
15:30	Coffee Break (Conference Center)							
16:00	WS8: continued	WS9: continued	WS10: continued	WS11: continued	WS12: continued	WS13: continued	WS14: continued	
17:30 20:00	Get-Together Reception (Conference Center)							
Monday 23.09.2024								
09:00	Morning Coffee (Forum)							
09:30	ECOC 2024 Opening & Plenary Session (Forum)							
12:00	Lunch Break (on your own)							
14:00	M2A: Novel Short-Reach & Access Systems	M2B: Multiband Transmission I	M2C: Low-Power Consumption DSP	M2D: Optical Fibers: From Nanoparticles to Hollow Cores	M2E: Digital Twins	M2F: MWP Components	M2G: Integrated Passive Devices and Switches	Green ICT Symposium (Illusion)
15:30	Coffee Break (Exhibition)							
16:00 17:30	M3A: QKD Systems	M3B: Multiband Transmission II	M3C: Ultrafast Terrestrial FSO	M3D: Coherent PON – I	M3E: Longitudinal Power Profile Monitoring	M3F: Sensing and Microwave Photonics	M3G: Photonic Circuits for Integrated Neural Signal Processing	
17:45 19:15	Symposium 50 Years of ECOC (Illusion + Fantasia)							
19:30 23:00	50 Years of ECOC Celebration (Forum)							

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Tuesday 24.09.2024									
09:00	Tu1A: Doped Fiber Amplifiers Improved Designs, Multimode and Multicore	Tu1B: Advances in Network Control and Management	Tu1C: Novel Opportunities for Integrated Photonics & Transceivers	Tu1D: Intra-Data Center Systems	Tu1E: LiFi for Indoor and Underwater Communications	Tu1F: THz Processing and Coding	Tu1G: Novel Modulators	10th International Symposium for Optical Interconnects in Data Centres (Illusion)	
10:30	Coffee Break (Exhibition)								
11:00	Demo Session (Hall 5)								
12:30	Exhibition Only Time								
13:30	Tu3A: Photonic Devices for Quantum Communication	Tu3B: Space-Division Multiplexing I	Tu3C: Novel Optical and Digital Signal Processing Techniques	Tu3D: Coherent PON – II	Tu3E: Performance Monitoring Techniques	Tu3F: Wireless THz Comms	Tu3G: Heterogeneous Laser Integration	Rump Session (Illus.)	
15:00	Coffee Break (Exhibition)								
15:30 17:00	Tu4A: Few Mode Fibers and Characterization Techniques	Tu4B: High-Speed Transmission	Tu4C: FSO for Satellite Communications	Tu4D: 6G and Network Convergence	Tu4E: Optical Network Resilience	Tu4F: Advanced Radio-Over-Fiber & Fronthaul Systems	Tu4G: Progress of Silicon Photonic and Plasmonic Technology		
17:15 18:45	Coffee Break (Exhibition)								
Wednesday 25.09.2024									
09:00	W1A: QKD Security	W1B: Fiber Capacity and Transmission	W1C: Spatial Division Multiplexing	W1D: Challenges for Terrestrial FSO	W1E: Architecture from Submarine to Metro/Access Networks	W1F: Integrated Sensing and Comms	W1G: Integrated Devices for Future High-Capacity Networks	Women in Photonics (Illusion)	
10:30	Coffee Break (Exhibition)								
11:00	W2A: Poster Session (Hall 6)								
12:30	Lunch Break (on your own)								Women in Photonics (Illusion)
14:00	W3A: Fibers for Nonlinearity and Amplification	W3B: Space-Division Multiplexing II and Modeling	W3C: Devices & Applications of Optical Frequency Tuning	W3D: Ultra-Highspeed PON	W3E: Network Automation	W3F: Integrated Sensing and Comms	W3G: Integrated Light Sources	Satellite Symposium (Fantasia)	
15:30	Coffee Break (Exhibition)								
16:00	W4A: QKD Networks	W4B: Machine Learning in Optical Networks	W4C: Equalisation and Performance Monitoring for High Rate Transmissions	W4D: 50G PON	W4E: Network Programmability	W4F: Remote Sensing	W4G: Integrated Receivers		
17:30	Coffee Break (Exhibition)								
18:00	Conference Dinner (Palmengarten)					EPIF – 15th European Photonic Integration Forum	Photonics in Germany	Hack Your Research! (Illusion)	
19:00 20:00 23:00	Conference Dinner (Palmengarten)								
Thursday 26.09.2024									
09:00	Th1A: Advances in Hollow Core Fibers Beyond low Loss	Th1B: Hollow-Core Fiber and SOA	Th1C: Phase-Retrieval, Self-Coherent, and Direct-Detect	Th1D: Metro-Access, Fronthaul & 6G	Th1E: Network Architectures and Resource Allocation	Th1F: Remote Sensing	Th1G: Devices for High-Speed Transmission	Optical Networking Symposium (Fantasia)	
10:30	Coffee Break (Conference Center)								
11:00	Th2A: QKD Field Trials	Th2B: Submarine and Long-Haul	Th2C: VCSEL Arrays & Optical Multiport Packaging	Th2D: Atmospheric Turbulence Mitigation for FSO	Th2E: Optical Node Architectures	Th2F: Resonator-Based Modulators	Th2G: Resonator-Based Modulators		
12:30	Lunch Break (on your own)								
14:00 15:30	Post Deadline Sessions								
15:45 16:30	Closing Session (Harmonie 5)								