

# Programme Overview

## Agenda of Sessions — Sunday, 18 September

	San Francisco	Samarkand + Osaka	Singapore	Sydney	Rio	Boston	Shanghai	Kairo	Delhi
08:00–18:00	Registration, Entrance Hall 1								
09:00–10:30		Workshop: Role of Optical Network for Split Computing Between Edge and Cloud in Support of Ultra Low Latency Services I	Workshop: Adaptive Everything! Do Optical Networks Really Need More Flexibility? I	Workshop: F5G and Evolution Towards F6G I	Workshop: Life Above 100-GHz: Terahertz Device and System Challenges and Opportunities I	Workshop: (On-chip) Frequency Combs from Mid-IR to THz Combs I	Workshop: Heterogeneous Photonic Integrated Circuits I	IONS+ Supercharge Your Conference Experience	Workshop: Linear Optics - A Solution for Efficient Machine Learning, Hard Problems Solving, Quantum and Microwave Technologies? I
10:30–11:00	Coffee Break, Foyer 2 <sup>nd</sup> Floor								
11:00–12:30		Workshop: Role of Optical Network for Split Computing Between Edge and Cloud in Support of Ultra Low Latency Services II	Workshop: Adaptive Everything! Do Optical Networks Really Need More Flexibility? II	Workshop: F5G and Evolution Towards F6G II	Workshop: Life Above 100-GHz: Terahertz Device and System Challenges and Opportunities II	Workshop: (On-chip) Frequency Combs from Mid-IR to THz Combs II	Workshop: Heterogeneous Photonic Integrated Circuits II	IONS+ Supercharge Your Conference Experience	Workshop: Linear Optics - A Solution for Efficient Machine Learning, Hard Problems Solving, Quantum and Microwave Technologies? II
12:30–14:00	Lunch Break - On Your Own								
14:00–15:30	Workshop: Optical Networks - Will They Destroy the Planet or Save Humanity? I	Workshop: The Path towards Terabit/s PONs: Enabling Multi Gbit/s Data Rate Services I	Workshop: Are Multi-band Optical Networks Simple Extensions of Traditional C-band Networks I	Workshop: Which Technologies Will be Needed for 6G? I	Workshop: Moving from Optical Components in RAN to Optical Components for RAN I	Workshop: Quantum Communication - Hype or Ripe? From QKD Networks to a Global Quantum Internet I	Workshop: Photonic and Electronic Co-integration Solutions I	IONS+ Supercharge Your Conference Experience	Workshop: Emerging Fiber Technologies For Transmission and Amplification I
15:30–16:00	Coffee Break, Foyer 2 <sup>nd</sup> Floor								
16:00–17:30	Workshop: Optical Networks - Will They Destroy the Planet or Save Humanity? II	Workshop: The Path towards Terabit/s PONs: Enabling Multi Gbit/s Data Rate Services II	Workshop: Are Multi-band Optical Networks Simple Extensions of Traditional C-band Networks II	Workshop: Which Technologies Will be Needed for 6G? II	Workshop: Moving from Optical Components in RAN to Optical Components for RAN II	Workshop: Quantum Communication - Hype or Ripe? From QKD Networks to a Global Quantum Internet II	Workshop: Photonic and Electronic Co-integration Solutions II	IONS+ Supercharge Your Conference Experience	Workshop: Emerging Fiber Technologies For Transmission and Amplification II
18:00–19:00	Nobel Laureate Lecture								
19:00–21:00	Get Together Reception, Foyer 2 <sup>nd</sup> Floor								

# Agenda of Sessions — Monday, 19 September

	Samarkand + Osaka	Singapore	Sydney	Rio	Boston	Shanghai	Kairo	Delhi
08:00–18:00	Registration, <i>Entrance Hall 1</i>							
09:00–10:20	Mo1 • Opening Remarks and Joint Plenary Session I, <i>San Francisco</i>							
10:20–11:00	Coffee Break, <i>Exhibition Hall 1</i>							
11:00–12:00	Mo2 • Joint Plenary Session II, <i>San Francisco</i>							
12:00–13:30	Lunch Break - On Your Own							
13:30–15:15	Mo3A • ML Driven Optical Networks (ends at 15:00)	Mo3B • Low Margin Optical Networks (ends at 15:00)	Mo3C • Optical Access Networks for Mobile Communications	Mo3D • Modulation and Coding	Mo3E • Swiss Symposium - Light and Time I	Mo3F • PIC Components	Mo3G • Multi-disciplinary Photonics	Mo3H • Symposium on 50 Years of Fibre Optics I
15:15–15:45	Coffee Break, <i>Exhibition Hall 1</i>							
15:45–17:30	Mo4A • Sensing with Optical Networks (ends at 17:15)	Mo4B • Edge Cloud and Low Latency (ends at 17:15)	Mo4C • Current Challenges for PON (ends at 17:15)	Mo4D • SDM and Submarine (ends at 17:15)	Mo4E • Swiss Symposium - Light and Time II	Mo4F • (Bi)CMOS Optoelectronics (ends at 17:15)	Mo4G • Novel Photonic Platforms and Sources I (ends at 17:15)	Mo4H • Symposium on 50 Years of Fibre Optics II
17:30–18:30	Mo5A • Poster Pitch Session I	Mo5B • Poster Pitch Session II	Mo5C • Poster Pitch Session III				Workshop on Photonic Startups & Entrepreneurship (ends at 19:00)	
19:30–22:00	Welcome Reception, <i>Markthalle Basel</i>							

# Agenda of Sessions — Tuesday, 20 September

	Samarkand + Osaka	Singapore	Sydney	Rio	Boston	Shanghai	Kairo	Delhi	Foyers	
08:00–18:00	Registration, <i>Entrance Hall 1</i>									
08:30–10:15	Tu1A • High-Baud Rate Optical Communication (ends at 09:45)	Tu1B • New Trends in Optical Networks	Tu1C • Quantum and Future Access Technologies	Tu1D • Nonlinear Transmission Modeling	Tu1E • Mid-IR Devices and Circuits (ends at 9:30)	Tu1F • Co-Packaging and Large Photonic Circuits	Tu1G • Metadevices and High-speed Photonics	Training Course on Integrated Photonic Technologies		
10:15–10:45	Coffee Break, <i>Exhibition Hall 1</i>									
10:45–12:30	Exhibition Only						Special Workshop: Diversity in Action	Training Course on Integrated Photonic Technologies	Tu2 • Demo Zone, <i>Foyer 3<sup>rd</sup> Floor</i>	
12:30–13:30	Lunch Break - On Your Own									
13:30–15:15	Tu3A • Fiber for High Capacity Transmission	Tu3B • Security	Tu3C • High Performance Computer Networks and High Throughput Transceivers	Tu3D • Sensing and Nonlinearity Tolerant Schemes (ends at 14:45)	Tu3E • Lasers for Silicon Photonics and Sensing	Tu3F • Satellite based Optical Freespace Communication I (ends at 15:00)	Tu3G • Novel Photonic Platforms and Sources II	Tu3H • Symposium: IEEE International Network Generations Optics Roadmap, 1st Edition (starts at 13:00)		
15:15–15:45	Coffee Break, <i>Exhibition Hall 1</i>									
15:45–17:30	Tu4A • Fiber Sensing and Characterization (ends at 17:45)	Tu4B • Symposium: Recent Advances in Submarine Systems (ends at 19:00)	Tu4C • High-Speed PON Technologies (ends at 17:15)	Tu4D • Free-Space and Quantum Communication (ends at 17:15)	Tu4E • Advanced Modulators	Tu4F • FSO Communication (ends at 17:15)	Tu4G • Photonic Neural Networks (ends at 17:15)	13 <sup>th</sup> European Photonic Integration Forum (starts at 16:30, ends at 18:30)		
17:30–19:00				Lab Automation Hackathon					Tu5 • Poster Session I, <i>Foyer 2<sup>nd</sup> Floor</i>	
19:30–22:00	Gala Dinner, <i>MS Rhystärn, Schiffände Basel</i>									

# Agenda of Sessions — Wednesday, 21 September

	Samarkand + Osaka	Singapore	Sydney	Rio	Boston	Shanghai	Kairo	Delhi	Foyers
08:00–18:00	Registration, Entrance Hall 1								
08:30–10:15	<b>We1A • Ultra-wideband Optical Systems</b> (ends at 10:00)	<b>We1B • Network Planning and Cost Efficiency</b> (ends at 10:00)	<b>We1C • Digital Optical Fiber Nonlinearity Mitigation</b>	<b>We1D • Subsea Communications</b>	<b>We1E • Heterogeneous Integration</b>	<b>We1F • MW Photonics and Lidar</b>	<b>We1G • Symposium: Nonlinear Optics in <math>\chi^{(2)}/\chi^{(3)}</math> Integrated Photonics</b>	<b>We1H • 8<sup>th</sup> International Symposium for Optical Interconnect in Data Centres I</b>	
10:15–10:45	Coffee Break, Exhibition Hall 1								
10:45–12:30	<b>We2A • DCI and Metro Transmission Systems</b> (ends at 12:00)	<b>We2B • Control Plane and Automation</b>	<b>We2C • Deep Learning for Optical Fiber Communications</b>	<b>We2D • IM/DD &amp; Short-Reach Communications</b> (ends at 12:15)	<b>We2E • Programmable Photonics and Comb Lasers</b>	<b>We2F • Photonics Enabled Sub-Terahertz and Terahertz Systems</b>	<b>We2G • Symposium: Diamond Nanophotonic Quantum Networks</b>	<b>We2H • 8<sup>th</sup> International Symposium for Optical Interconnect in Data Centres II</b>	
12:30–13:30	Lunch Break - On Your Own								
13:30–15:15	<b>We3A • Topological Complex Light in Fibers and Devices</b>	<b>We3B • QoT Estimation</b>	<b>We3C • Coding and Modulation</b>	<b>We3D • High-Speed Transmission</b>	<b>We3E • Passive Photonic Functions</b>	<b>We3F • Indoor and VLC Systems and Technologies</b>	<b>We3G • Symposium: Quantum Communications - How Will Quantum Technology Revolutionize the Internet?</b>	<b>We3H • 8<sup>th</sup> International Symposium for Optical Interconnect in Data Centres III</b>	
15:15–15:45	Coffee Break, Exhibition Hall 1								
15:45–17:30	<b>We4A • Scattering and Nonlinear Effects in Fibers</b> (ends at 17:00)	<b>We4B • Optical Networks for Sensing and Sensing for Optical Networks</b>	<b>We4C • Digital Signal Processing for Novel Applications</b>	<b>We4D • Wide-band Technologies and Transmission</b> (end at 17:15)	<b>We4E • Silicon Photonics</b>	<b>We4F • Satellite Based Optical Freespace Communication II</b> (ends at 17:15)	<b>We4G • Symposium: Photonic-Electronic Memristors for Neuromorphic Applications</b>	<b>We4H • 8<sup>th</sup> International Symposium for Optical Interconnect in Data Centres IV</b>	
17:30–19:00	<b>Rump Session</b>								<b>We5 • Joint Poster Session II, Foyer 2<sup>nd</sup> Floor</b>

# Agenda of Sessions — Thursday, 22 September

	Samarkand + Osaka	Singapore	Sydney	Rio	Boston	Shanghai	Kairo	Delhi
08:00–16:00	<b>Registration, Entrance Hall 1</b>							
08:30–10:15	<b>Th1A • Novel Fiber Fabrication Methods</b> <small>(starts at 08:45, ends at 10:00)</small>	<b>Th1B • Symposium: Free Space Optical Communication for Terrestrial &amp; Space Applications</b>	<b>Th1C • Novel Equalization Techniques</b>	<b>Th1D • SDM Transmission and Monitoring Systems</b>	<b>Th1E • High-speed Transmitter Devices</b>	<b>Th1F • Novel PICs and Applications</b>	<b>Th1G • Quantum Communication</b>	<b>Th1H • Symposium: Prospects for the Usage of Millimeter Wave Bands</b>
10:15–10:45	<b>Coffee Break, Foyer, 2<sup>nd</sup> Floor</b>							
10:45–12:30	<b>Th2A • Single Core and Multicore Fiber Amplifiers</b>	<b>Th2B • Symposium: Free Space Optical Communication for Terrestrial &amp; Space Applications</b>	<b>Th2C • High Baud Rate Transmission</b>	<b>Th2D • Intra-data Centre Networks</b>	<b>Th2E • Photodiodes and Photodetectors</b>	<b>Th2F • Non-Linear Devices and Packaging</b>	<b>Th2G • Quantum Photonics</b> <small>(ends at 12:15)</small>	<b>Th2H • Symposium: Hybrid Integration of III-V Devices with Silicon-based Waveguides (Si, SiN, SiO<sub>2</sub>)</b>
12:30–13:30	<b>Lunch Break - On Your Own</b>							
13:30–15:00	<b>Th3A • Postdeadline Session III</b>	<b>Th3B • Postdeadline Session I</b>	<b>Th3C • Postdeadline Session II</b>	<b>Th3D • Postdeadline Session IV</b>				
15:15–16:00	<b>Closing Ceremony, Singapore</b>							