

Program at-a-Glance

Mon. 31 Jul				
09:00-12:00	Short Course I: Biophotonics Technologies for Biomedical Applications Gerd Keiser, Boston University			
14:00-17:00	Short Course II: Optical Wireless Networks Vincent Chan, EECS, MIT			
Tue. 01 Aug				
08:00-09:30	Registration (Room 4601, Level 4)			
09:30-10:15	Opening Ceremony (Sands Grand Ballroom, Level 5)			
10:15-11:00	Plenary Presentation I: Controlling light on the nanoscale John Pendry, Imperial College London			
11:00-11:45	Plenary Presentation II: Optical Coherence Tomography: from Healthcare Idea to Healthcare Impact Eric Swanson, Acacia Communications			
11:45-12:30	Plenary Presentation III: The Story of Photonics and Single Molecules, and the Challenges and Promises of Super-Resolution Microscopy and Dynamical Tracking in Biological Imaging W. E. Moerner, Stanford University			
12:30-14:00	Buffet Lunch (Sands Grand Ballroom, Level 5)			
14:00-15:45 Session: 1-3	Room A: 4401 Fiber-Based Technologies and Applications I	Room B: 4403 Fiber Mode Manipulation	Room C: 4405 Fiber Grating Sensors I	Room D: 4501 Nanofabrication Technologies
14:00-15:45 Session: 1-3	Room E: 4503 Photonic Devices - Manipulation of Optical Modes	Room F: 4505 Rare-Earth-Doped Fibres on the 30th Anniversary of the EDFA I	Room G: 4301 Advanced Lasers and Applications I	Room H: 4201 High Power, High Energy Lasers I
14:00-15:45 Session: 1-3	Room I: 4812 Perovskite Materials and Devices I	Room J: 4912 Plasmonics and Metamaterials I	Room K: 4203 Elastic Optical Networks	Room L: 4303 Optical Devices for Signal Processing
14:00-15:45 Session: 1-3	Room M: 4611 Femtosecond Laser Processing I	Room N: 4612 Optical Interconnection I	Room O: 4613 Advanced Nano-Optics and Photonics for Quantum Information Devices and Systems I	Room P: 4711 Fiber Optics and Photonics Metrology I
14:00-15:45 Session: 1-3	Room Q: 4712 Terahertz Science, Technology and Applications I	Room R: 4713 Advances in Structured Light I	Room S: 4811 Photonics Technologies for Primary Point-of-care and Global Health I	Room T: 4911 Spectroscopy for Diagnosis
15:45-16:15	Afternoon Tea/ Coffee Break (Room 4701)			
16:15-18:00 Session: 1-4	Room A: 4401 Fiber-Based Technologies and Applications II	Room B: 4403 Few-Mode Fiber	Room C: 4405 Distributed Fiber Optic Sensing Technologies	Room D: 4501 Novel Wavefront Manipulations
16:15-18:00 Session: 1-4	Room E: 4503 Photonic Devices - Coupling Light and Fabrication Control	Room F: 4505 Rare-Earth-Doped Fibres on the 30th Anniversary of the EDFA II	Room G: 4301 Advanced Materials and Devices for Infrared Photodetection	Room H: 4201 High Power, High Energy Lasers II
16:15-18:00 Session: 1-4	Room I: 4812 Perovskite Materials and Devices II	Room J: 4912 Plasmonics and Metamaterials II	Room K: 4203 Fiber-Wireless Systems	Room L: 4303 DSP for Communication Systems
16:15-18:00 Session: 1-4	Room M: 4611 Femtosecond Laser Processing II	Room N: 4612 Optical Interconnection II	Room O: 4613 Advanced Nano-Optics and Photonics for Quantum Information Devices and Systems II	Room P: 4711 Fiber Optics and Photonics Metrology II
16:15-18:00 Session: 1-4	Room Q: 4712 Terahertz Science, Technology and Applications II	Room R: 4713 Advances in Structured Light II	Room S: 4811 Photonics Technologies for Primary Point-of-care and Global Health II	Room T: 4911 Photonic Therapeutics and Diagnostics
18:30-22:00	Welcome Reception (S.E.A. Aquarium)			

Wed. 02 Aug				
08:30-10:15 Session: 2-1	Room A: 4401 Fiber-Based Technologies and Applications III	Room B: 4403 Silicon Photonics	Room C: 4405 Interferometric Fiber Optic Sensors and Systems	Room D: 4501 Metamaterials & Metasurfaces
08:30-10:15 Session: 2-1	Room E: 4503 Photonic Devices - Towards On-chip Integration I	Room F: 4505 Compound Semiconductor for NIR and MIR	Room G: 4301 Advanced Lasers and Applications II	Room H: 4201 High Power, High Energy Lasers III
08:30-10:15 Session: 2-1	Room I: 4812 Fundamentals of Entrepreneurship	Room J: 4912 Modulation Properties of 2D Materials	Room K: 4203 Advanced Optical Network Design	Room L: 4303 Frequency Combs and Waveguide Devices
08:30-10:15 Session: 2-1	Room M: 4611 Laser Surface Modification	Room N: 4612 Optical Interconnection III	Room O: 4613 Quantum Communication	Room P: 4711 Optical Sensor Technology I
08:30-10:15 Session: 2-1	Room Q: 4712 Terahertz Science, Technology and Applications III	Room R: 4713 Optical 3D Microfabrication for Photonics I	Room S: 4811 Photonics Technologies for Primary Point-of-care and Global Health III	Room T: 4911 Bioimaging and Biosensing
10:15-10:45	Morning Tea, Coffee Break (Room 4701)			
10:15—11:45	Poster Session 1 (Room 4603-4604)			
10:45-12:30 Session: 2-2	Room A: 4401 Fiber-Based Technologies and Applications IV	Room B: 4403 Photonic Integration	Room C: 4405 Special Fiber Sensors	Room D: 4501 Plasmonics I
10:45-12:30 Session: 2-2	Room E: 4503 Photonic Devices - Towards On-chip Integration II	Room F: 4505 High Intensity Ultrafast Phenomena I	Room G: 4301 Advanced Lasers and Applications III	Room H: 4201 Solitons and Related Nonlinear Effects
10:45-12:30 Session: 2-2	Room I: 4812 Industry and Entrepreneurship	Room J: 4912 2D Materials for Chemical and Photo-detection	Room K: 4203 Next Generation Optical Access Networks	Room L: 4303 Optical Signal Processing
10:45-12:30 Session: 2-2	Room M: 4611 Laser Texturing and Patterning I	Room N: 4612 Integrated Photonics for Optical Signal Processing	Room O: 4613 Quantum Emitters and Modules	Room P: 4711 Optical Sensor Technology II
10:45-12:30 Session: 2-2	Room Q: 4712 Black Phosphorus	Room R: 4713 Optical 3D Microfabrication for Photonics II	Room S: 4811 Photonics Technologies for Primary Point-of-care and Global Health IV	Room T: 4911 Emerging Biotechnologies
12:30-14:00	Buffet Lunch (Room 4701)			
14:00-15:45 Session: 2-3	Room A: 4401 Fiber-Based Technologies and Applications V	Room B: 4403 Waveguide Design	Room C: 4405 Fiber Grating Sensors II	Room D: 4501 Plasmonics II
14:00-15:45 Session: 2-3	Room E: 4503 Photonic Devices - Emerging Applications	Room F: 4505 High Intensity Ultrafast Phenomena II	Room G: 4301 Advanced Materials and Structures	Room H: 4201 Nonlinear Optics in Novel Optical Structures
14:00-15:45 Session: 2-3	Room I: 4812 Academic Entrepreneurs	Room J: 4912 Plasmonics and Metamaterials III	Room K: 4203 Optical Wireless Transmission and Novel Technique	Room L: 4303 Nonlinearity Mitigation Techniques
14:00-15:45 Session: 2-3	Room M: 4611 Laser Texturing and Patterning II	Room N: 4612 Integrated Optical Transceivers	Room O: 4613 Atoms and Their Applications	Room P: 4711 Optical Imaging
14:00-15:45 Session: 2-3	Room Q: 4712 Transition Metal Dichalcogenides	Room R: 4713 The Role of Optics in Fronthaul and Backhaul for 5G Networks and Beyond I	Room S: 4811 Photonics Technologies for Primary Point-of-care and Global Health V	Room T: 4911 Fiber Optics and Waveguide for Biomedicine
15:45-16:15	Afternoon Tea, Coffee Break (Room 4701)			
15:45—17:15	Poster Session 2 (Room 4603-4604)			
16:15-18:00	Room A: 4401 Fiber-Based Technologies	Room B: 4403 Fiber Sensors I	Room C: 4405 Special Materials based	Room D: 4501 Nanofibers

Session: 2-4	and Applications VI		Fiber Sensors	
16:15-18:00 Session: 2-4	Room E: 4503 Photonic Devices - Modulators and Detectors	Room F: 4505 MIR and THz Devices	Room G: 4301 Advanced Photonic Integration	Room H: 4201 Frequency Combs and Precision Measurements
16:15-18:00 Session: 2-4	Room I: 4812 Start-Up Challenge	Room J: 4912 Plasmonics and Metamaterials IV	Room K: 4203 Direct-Detection Transmission System	Room L: 4303 Radio-over-Fiber Systems
16:15-18:00 Session: 2-4	Room M: 4611 High Power Fiber Laser I	Room N: 4612 Chip-Scale Signaling and Processing on SOI Platforms	Room O: 4613 Photonics	Room P: 4711 Optical Sensor Technology III
16:15-18:00 Session: 2-4	Room Q: 4712 Carbon Nanomaterials	Room R: 4713 The Role of Optics in Fronthaul and Backhaul for 5G Networks and Beyond II	Room S: 4811 Photonics Technologies for Primary Point-of-care and Global Health VI	Room T: 4911 Coherence Domain Imaging Technologies
18:30-21:30	Banquet (Grand Gallery&Ballroom, Level 1, Ritz-Carlton Hotel)			
Thu. 03 Aug				
08:30-10:15 Session: 3-1	Room A: 4401 Fiber-Based Technologies and Applications VII	Room B: 4403 Fiber Sensors II	Room C: 4405 Photonic Sensing and Applications I	Room D: 4501 Microresonators & Nanolasers I
08:30-10:15 Session: 3-1	Room E: 4503 Nonlinear Optics and Signal Processing	Room F: 4505 Infrared Technology and Applications	Room G: 4301 Advanced Devices and Circuits	Room H: 4201 Fiber Lasers and Novel Waveguides
08:30-10:15 Session: 3-1	Room I: 4812 Photonics Global Student Conference 2017 I	Room J: 4912 New Phenomena in 2D Materials	RoomK: 4203 SDM Transmission	Room L: 4303 Visible Light Communication Systems
08:30-10:15 Session: 3-1	Room M: 4611 High Power Fiber Laser II	Room N: 4612 Women In Photonics I	Room O: 4613 Quantum Technologies	Room P: 4711 Advanced Optical Technology
08:30-10:15 Session: 3-1	Room Q: 4712 Photonic Applications of 2D Materials	Room R: 4713 Liquid Crystals and Their Applications	Room S: 4811 Microwave Photonics I	Room T: 4911 Nonlinear and Broadband Amplifiers I
10:15-10:45	Morning Tea, Coffee Break (Room 4701)			
10:15—11:45	Poster Session 3 (Room 4603-4604)			
10:45-12:30 Session: 3-2	Room A: 4401 Fiber-Based Technologies and Applications VIII	Room B: 4403 Fiber Laser and Amplifier	Room C: 4405 Photonic Sensing and Applications II	Room D: 4501 Microresonators & Nanolasers II
10:45-12:30 Session: 3-2	Room E: 4503 Novel Materials	Room F: 4505 Infrared Emission and Waveguide Fabrication	Room G: 4301 Nano Optical Trapping	Room H: 4201 High Field Physics and Other Topics in Nonlinear Optics
10:45-12:30 Session: 3-2	Room I: 4812 Photonics Global Student Conference 2017 II	Room J: 4912 Optoelectronic Properties of 2D Materials	Room K: 4203 Transmission Technologies for Optical Network	Room L: 4303 Optical Access Systems
10:45-12:30 Session: 3-2	Room M: 4611 High Power Fiber Laser III	Room N:4612 Women In Photonics II	Room O: 4613 Nitrides, Other Widegap Semiconductors I	Room P: 4711 Lab-in-a-Fiber Technologies I
10:45-12:30 Session: 3-2	Room Q: 4712 2D Materials	Room R: 4713 Applications of Spatial Light Modulators	Room S: 4811 Microwave Photonics II	Room T: 4911 Nonlinear and Broadband Amplifiers II
12:30-14:00	Buffet Lunch (Room 4701)			
14:00-15:45 Session: 3-3	Room A: 4401 Fiber-Based Technologies and Applications IX	Room B: 4403 Specialty Fiber I	Room C: 4405 Integrated Optic Sensors	Room D: 4501 Perovskite Materials and Devices III
14:00-15:45 Session: 3-3	Room E: 4503 Silicon Photonics Systems and Applications I	Room F: 4505 Infrared Applications and Commercialization	Room G: 4301 Applications of New Optical Fibers in Communication and Sensing I	Room H: 4201 Nonlinearities in Integrated Photonics and Related Topics

14:00-15:45 Session: 3-3	Room I: 4812 Photonics Global Student Conference 2017 III	Room J: 4912 Plasmonics and Metamaterials V	Room K: 4203 Coding and Modulation Technique	Room L: 4303 Novel Technologies for Free Space Optic Communications
14:00-15:45 Session: 3-3	Room M: 4611 Novel Laser Sources	Room N: 4612 Optical Switching Systems and Related Technologies I	Room O: 4613 Nitrides, Other Widegap Semiconductors II	Room P: 4711 Lab-in-a-Fiber Technologies II
14:00-15:45 Session: 3-3	Room Q: 4712 LiDAR: Its Application in Advanced Driver Assistance System I	Room R: 4713 3D Display Technologies I	Room S: 4811 Microwave Photonics III	Room T: 4911 Structured Light for Material Processing and Telecommunications
15:45-16:15	Afternoon Tea, Coffee Break (Room 4701)			
15:45—17:15	Poster Session 4 (Room 4603-4604)			
16:15-18:00 Session: 3-4	Room A: 4401 Fiber-Based Technologies and Applications X	Room B: 4403 Specialty Fiber II	Room C: 4405 Fiber Acoustic Sensors	Room D: 4501 Perovskite Materials and Devices IV
16:15-18:00 Session: 3-4	Room E: 4503 Silicon Photonics Systems and Applications II	Room F: 4505	Room G: 4301 Applications of New Optical Fibers in Communication and Sensing II	Room H: 4201 Hot Topics in Nonlinear and Ultrafast Photonics
16:15-18:00 Session: 3-4	Room I: 4812 Photonics Global Student Conference IV	Room J: 4912 Plasmonics and Metamaterials VI	Room K: 4203 Technology for High- Capacity System	Room L: 4303
16:15-18:00 Session: 3-4	Room M: 4611 Dynamics of Ultrafast Lasers	Room N: 4612 Optical Switching Systems and Related Technologies II	Room O: 4613 Nitrides, Other Widegap Semiconductors III	Room P: 4711 Lab-in-a-Fiber Technologies III
16:15-18:00 Session: 3-4	Room Q: 4712 LiDAR: Its Application in Advanced Driver Assistance System II	Room R: 4713 3D Display Technologies II	Room S: 4811 Microwave Photonics IV	Room T: 4911 Optical Passive Devices
Fri. 04 Aug				
08:30-11:30	Postdeadline Session (Room 4401-4501)			