Schedule – Short Courses

Sunday, 05 March		
08:30 – 12:30	SC105	Modulation Formats and Receiver Concepts for Optical Transmission Systems
	SC203	400 Gb/s and Beyond Optical Communication Systems, Design and Design Trade-offs
	SC208	Optical Fiber Design for Telecommunications and Specialty Applications
	SC328	Standards for High-Speed Optical Networking
	SC395	Modeling and Simulation of Optical Transmitter and Receiver Components for Coherent Communications
	SC432	**Hands on:** Silicon Photonics Component Design & Fabrication
	SC443	Optical AmplifiersFrom Fundamental Principles to Technology Trends
	SC461	High-capacity Data Center Interconnects for Cloud-scale Networking
	SC463	Optical Transport SDNArchitectures, Applications, and Actual Implementations
	SC469	**Hands on:** Laboratory Automation and Control Using Python (Beginner)
	SC470	Secure Optical Communications
09:00 – 12:00	SC177	High-speed Semiconductor Lasers and Modulators
	SC216	An Introduction to Optical Network Design and Planning
	SC444	Optical Communication Technologies for 5G and F5GSC105 - Modulation Formats and Receiver Concepts for Optical Transmission Systems
13:00 – 16:00	SC447	The Life Cycle of an Optical NetworkFrom Planning to Decommissioning
	SC512	**NEW:** Modern Subsea Cable Systems
13:00 – 17:00	SC267	Silicon MicrophotonicsTechnology Elements and the Roadmap to Implementation
	SC384	Background Concepts of Optical Communication Systems
	SC514	**NEW:** FEC Techniques for Optical Communications
Monday, 06 March		
08:30 – 12:30	SC102	WDM in Long-Haul Transmission Systems
	SC160	Microwave Photonics
	SC341	Sub-carrier Modulation and Superchannels for Terabit-class DWDM Transceivers
	SC369	Test and Measurement for Signals with Complex Optical Modulation

Monday, 06 March (continued)		
	SC433	Introduction to Photodetectors and Optical Receivers
	SC448	Evolving Software Defined Optical NetworkArchitecture and Design Principles
08:30 – 12:30	SC452	FPGA Prototyping for Optical Subsystems
	SC453A	**Hands on:** Fiber Optic Handling, Measurements, and Component Testing
	SC454	**Hands on:** Silicon Photonics Design - Circuits
	SC472	**Hands on:** Controlling and Monitoring Optical Network Equipment
	SC473	Photonic Switching Systems
	SC483	Machine Learning in Optical Networks
	SC487	**Hands on:** Laboratory Automation and Control using Python (Advanced)
	SC513	**NEW:** Data Center Short Links – Link Design, Modeling, Test and Measurements
09:00 – 12:00	SC359	Networking for Datacenters and Machine Learning
	SC450	Design, Manufacturing, and Packaging of Opto-Electronic Modules
	SC465	Transmission Fiber and Cables
13:30 – 16:30	SC114	Technologies and Applications for Passive Optical Networks (PONs)
	SC217	Applications of Radio-over-Fiber Technologies Including Future 5G Networks
	SC408	Space Division Multiplexing for Optical Communication Systems and Networks
	SC459	Multimode Photonic Devices, Characterization and Applications
	SC485	Advanced Fiber Access Networks
13:30 – 17:30	SC261	ROADM Technologies and Network Applications
	SC325	Highly Integrated Monolithic Photonic Integrated Circuits
	SC327	Modeling and Design of Long-Haul Fiber-Optic Communication Systems
	SC347	Reliability and Qualification of Fiber-Optic Components
	SC357	Circuits and Equalization Methods for Coherent and Direct Detection Optical Links
	SC393	Digital Signal Processing for Coherent Optical Transceivers
	SC431	Photonic Technologies in the Data Center
	SC451	Optical Fiber Sensors
	SC453B	**Hands on:** Fiber Optic Handling, Measurements, and Component Testing