

SUMMER TOPICALS MEETING SERIES 2019

PROGRAM – AT – A – GLANCE

	Mid-Infrared Optoelectronics in Silicon and Emerging Materials (MOSEM)	Next Generation High Speed Access Networks for New Emerging Services (Next Gen)	Physics and Applications of Semiconductor Laser Dynamics (PASLD)	Photonics in Artificial Intelligence (Photonics-AI)	Programmable Photonics (PP)	Quantum Integrated Photonics (QIP)
Room:	Rio Vista	Atlantic Ballroom IV	Atlantic Ballroom V	Atlantic Ballroom I	Atlantic Ballroom II	Atlantic Ballroom III
Monday, 8 July						
8:00 am-8:30 am	BREAKFAST - Atlantic Foyer Ballroom					
8:30 am-10:00 am	MA1: Tutorial Talks	8:30 am-9:45 am MB1: Coherent Access I	8:30 am-10:15 am MC1: Random Lasers	MD1: Photonic Neural Networks	ME1: Opening Session	MF1: Applications in Quantum Information
10:00 am-10:30 am	COFFEE BREAK - Atlantic Foyer Ballroom					
10:30 am-12:00 pm	MA2: GeSn — Materials	MB2: Coherent Access II	MC2: Nanolasers	MD2: Intelligent Photonic Communications	ME2: Molding the Flow of Light (but No Photonic Crystals)	MF2: Cluster States in Quantum Information
12:00 pm-1:30 pm	LUNCH BREAK (ON OWN)					
1:30 pm-3:00 pm	1:30 pm-3:15 pm MA3: Tutorial + Group IV Materials	MB3: High Speed PON I	MC3: Mode-locking	MD3: Intelligent Integrated Photonic Components I	1:30 pm-3:15 pm ME3: Joint QIP & PP: Programmable Photonics for Quantum Information Processing (in Atlantic Ballroom II)	
3:00 pm-3:30 pm	COFFEE BREAK - Atlantic Foyer Ballroom					
3:30 pm-5:00 pm	MA4: Materials & Applications	MB4: High Speed PON II	MC4: Combs & Mode-locking		ME4: Turning the Knobs and Dials	MF4: Platforms for Quantum Information
7:00 pm-9:00 pm	MP: WELCOME RECEPTION & POSTER SESSION - Sky Terrace					

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Room:	Rio Vista	Atlantic Ballroom IV	Atlantic Ballroom V	Atlantic Ballroom I	Atlantic Ballroom II	Atlantic Ballroom III
Tuesday, 9 July						
8:00 am-8:30 am	BREAKFAST - Atlantic Foyer Ballroom					
8:30 am-10:00 am	8:30 am-10:15 am TuA1: Plenary + Emerging Technologies	8:30 am-9:45 am TuB1: Mobile X-haul for Access Networks	TuC1: Quantum Dot Lasers	TuD1: Intelligent Integrated Photonic Components II	TuE1: Programmable Circuits - From Electrons to Photons	TuF1: Quantum Computation and Coupling to Single-atoms
10:00 am-10:30 am	COFFEE BREAK - Atlantic Foyer Ballroom					
10:30 am-12:00 pm	TuA2: Hybrid III-V on Si	TuB2: 5G Transport Access Networks	TuC2: Microresonator Combs	TuD2: Intelligent Integrated Photonic Components III	TuE2: I Like to Move It- Move It	TuF2: Silicon Nitride and Silicon-on-insulator Platforms for Quantum Information
12:00 pm-1:30 pm	LUNCH BREAK (ON OWN)					
1:30 pm-3:00 pm	TuA3: Group IV Optoelectronics I	1:30 pm-2:45 pm TuB3: Wireless Networks and Photonics for Access	TuC3: Applications of Laser Dynamics	TuD3: Joint PAI & PP: Artificial Intelligent Photonics (in Atlantic Ballroom I)	TuF3: Lithium Niobate and Diamond Platform for Quantum Information	
3:00 pm-3:30 pm	COFFEE BREAK - Atlantic Foyer Ballroom					
3:30 pm-5:00 pm	TuA4: Group IV Optoelectronics II	TuB4: Photonics for Access	TuC4: Quantum Cascade Lasers	TuD4: Joint PAI & PP: AI with Programmable Photonics (in Atlantic Ballroom I)	TuF4: Single and Indistinguishable Photon Sources	

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Room:	Atlantic Ballroom I	Atlantic Ballroom IV	Atlantic Ballroom V		Atlantic Ballroom II	Atlantic Ballroom III
Wednesday, 10 July						
8:00 am-8:30 am	BREAKFAST - Atlantic Foyer Ballroom					
8:30 am-10:00 am	8:30 am-10:15 am WA1: Special Session for Richard Soref I	8:30 am-9:45 am WB1: Low Latency and Converged Access	WC1: Laser Dynamics I		WE1: Photonics a la Mode	8:30 am-10:15 am WF1: Valleytronics and Single and Entangled Photons
10:00 am-10:30 am	COFFEE BREAK - Atlantic Foyer Ballroom					
10:30 am-12:00 pm	WA2: Special Session for Richard Soref II	WB2: Network Planning and Security	WC2: Laser Dynamics II		WE2: Free-space Programmable Photonics	
12:00 pm-1:30 pm	LUNCH BREAK (ON OWN)					
1:30 pm-3:00 pm		WB3: Network Planning, Optimization and Services	1:30 pm-2:30 pm WC3: QD Lasers on Silicon		WE3: Shift the Phase, Couple the Light	
3:00 pm-3:30 pm	COFFEE BREAK - Atlantic Foyer Ballroom					
3:30 pm-5:00 pm			WC4: Round Table on “Future Challenges in Photonic Integration”		WE4: Don’t Leave Yet. This is Really Cool!	