

SUMMER TOPICALS MEETING SERIES 2019

PROGRAM – AT – A – GLANCE

Sunday, 7 July	SUNDAY EVENING SOCIAL – Oceanside II <i>*Registration Required</i>					
6:30 pm-8:30 pm	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:	Atlantic Ballroom I	Atlantic Ballroom II	Atlantic Ballroom III	Atlantic Ballroom IV	Atlantic Ballroom V	Atlantic Ballroom VI
Monday, 8 July <i>*PLEASE NOTE: Plenary/Tutorial/Keynote 45 minutes, Invited 30 minutes, Contributed 15 minutes*</i>						
8:00 am-4:00 pm	IEEE MEMBER LOUNGE - Himmareeshee					
8:00 am-8:30 am	BREAKFAST - Atlantic Foyer Ballroom					
8:30 am-10:00 am	MA1: Tutorial Talks Session Chair: O. Moutanabbir	8:30 am-9:45 am MB1: Coherent Access I Session Chair: J. Zhang	8:30 am-10:15 am MC1: Random Lasers Session Chair: A. Gaeta & M. Bagheri	MD1: Photonic Neural Networks Session Chair: A. Yasha Yi	ME1: Opening Session Session Chair: D. Miller	MF1: Applications in Quantum Information Session Chair: F. Sciarrino
10:00 am-10:30 am	COFFEE BREAK - Atlantic Foyer Ballroom					
10:30 am-12:00 pm	MA2: GeSn — Materials Session Chair: D. Buca	MB2: Coherent Access II Session Chair: J. Zhang	10:30 am-11:30 am MC2: Nanolasers Session Chairs: W. Chow & T. Lu	MD2: Intelligent Photonic Communications Session Chair: Q. Zhan	ME2: Molding the Flow of Light (but No Photonic Crystals) Session Chair: S. Palermo	MF2: Cluster States in Quantum Information Session Chair: M. Dagenais
12:00 pm-1:30 pm	PROFESSIONAL DEVELOPMENT: PEER REVIEW LUNCHEON - Oceanside II <i>*Registration Required</i>					
1:30 pm-3:00 pm	1:30 pm-3:15 pm MA3: Tutorial + Group IV Materials Session Chair: O. Moutanabbir	MB3: High Speed PON I Session Chair: D. Van Veen	MC3: Mode-locking Session Chair: P. Delfyett	MD3: Intelligent Integrated Photonic Components I Session Chair: A. Yasha Yi	1:30 pm-3:15 pm ME3: Joint QIP & PP: Programmable Photonics for Quantum Information Processing Session Chair: B. Eggleton (in Atlantic Ballroom V)	
3:00 pm-3:30 pm	COFFEE BREAK - Atlantic Foyer Ballroom					
3:30 pm-5:00 pm	MA4: Materials & Applications Session Chair: D. Nam	MB4: High Speed PON II Session Chair: D. Van Veen	MC4: Combs & Mode-locking Session Chairs: H. Cao & S. Breuer		ME4: Turning the Knobs and Dials Session Chair: W. Bogaerts	MF4: Platforms for Quantum Information Session Chair: S. Mookherjea
7:00 pm-9:00 pm	MP: WELCOME RECEPTION & POSTER SESSION - Sky Terrace					

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Room:	Atlantic Ballroom I	Atlantic Ballroom II	Atlantic Ballroom III	Atlantic Ballroom IV	Atlantic Ballroom V	Atlantic Ballroom VI
Tuesday, 9 July <i>*PLEASE NOTE: Plenary/Tutorial/Keynote 45 minutes, Invited 30 minutes, Contributed 15 minutes*</i>						
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 Session Chair: D. Nam	8:30 am-9:45 am TuB1: Mobile X-haul for Access Networks Session Chair: V. Houtsma	TuC1: Quantum Dot Lasers Session Chairs: M. Osinski & K. Vahala	TuD1: Intelligent Integrated Photonic Components II Session Chair: X. Wang	TuE1: Programmable Circuits - From Electrons to Photons Session Chair: G. Reed	TuF1: Quantum Computation and Coupling to Single-atoms Session Chair: Z. Mi
10:00 am-10:30 am	COFFEE BREAK - Atlantic Foyer Ballroom					
10:30 am-12:00 pm	10:30 am-11:45 am TuA2: Hybrid III-V on Si Session Chair: M. Takenaka	TuB2: 5G Transport Access Networks Session Chair: V. Houtsma	TuC2: Microresonator Combs Session Chairs: C. Wong & P. Bardella	TuD2: Intelligent Integrated Photonic Components III Session Chair: B. Ooi	TuE2: I Like to Move It- Move It Session Chair: A. Melloni	TuF2: Silicon Nitride and Silicon-on-insulator Platforms for Quantum Information Session Chair: M. Dagenais
12:00 pm-1:30 pm	LAB AUTOMATION HACKATHON - Oceanside II <i>*Registration Required</i>					
1:30 pm-3:00 pm	TuA3: Group IV Optoelectronics I Session Chair: D. Nam	1:30 pm-2:45 pm TuB3: Wireless Networks and Photonics for Access Session Chair: V. Houtsma	1:30 pm-2:45 pm TuC3: Applications of Laser Dynamics Session Chairs: K. Choquette & V. Kovanis	TuD3: Joint PAI & PP: Artificial Intelligent Photonics Session Chair: O. Boyraz (in Atlantic Ballroom IV)	TuF3: Lithium Niobate and Diamond Platform for Quantum Information Session Chair: P. Senellart	
3:00 pm-3:30 pm	COFFEE BREAK - Atlantic Foyer Ballroom					
3:30 pm-5:00 pm	TuA4: Group IV Optoelectronics II Session Chair: M. Takenaka	TuB4: Photonics for Access Session Chair: P. Cao	TuC4: Quantum Cascade Lasers Session Chairs: G. Eisenstein & L. Columbo	TuD4: Joint PAI & PP: AI with Programmable Photonics Session Chair: P. Prucnal (in Atlantic Ballroom IV)	3:30 pm-5:30 pm TuF4: Single and Indistinguishable Photon Sources Session Chair: K. Srinivasan	

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Room:	Atlantic Ballroom I	Atlantic Ballroom II	Atlantic Ballroom III		Atlantic Ballroom V	Atlantic Ballroom VI
Wednesday, 10 July <i>*PLEASE NOTE: Plenary/Tutorial/Keynote 45 minutes, Invited 30 minutes, Contributed 15 minutes*</i>						
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 Session Chair: D. Buca	8:30 am-9:45 am WB1: Low Latency and Converged Access Session Chair: P. Cao	WC1: Laser Dynamics I Session Chairs: J. Mork & K. Ludge		WE1: Photonics a la Mode Session Chair: V. Sorger	8:30 am-10:45 am WF1: Valleytronics and Single and Entangled Photons Session Chair: Z. Mi
10:00 am-10:30 am	COFFEE BREAK - Atlantic Foyer Ballroom					
10:30 am-12:00 pm	WA2: Special Session for Richard Soref II Session Chair: O. Moutanabbir	WB2: Network Planning and Security Session Chair: J. Zhang	WC2: Network Planning and Security Session Chairs: D. Syvridis & S. Hwang		WE2: Free-space Programmable Photonics Session Chair: D. Perez	
12:00 pm-1:30 pm	LUNCH BREAK (ON OWN)					
1:30 pm-3:00 pm		WB3: Network Planning, Optimization and Services Session Chair: D. Van Veen	1:30 pm-2:30 pm WC3: QD Lasers on Silicon Session Chairs: L. Lester & J. Reithmaier		WE3: Shift the Phase, Couple the Light Session Chair: T. Seok	
3:00 pm-3:30 pm	COFFEE BREAK - Atlantic Foyer Ballroom					
3:30 pm-5:00 pm		3:30 pm-4:00 pm WB4: Panel Discussion Session Chair: V. Houtsmma			WE4: Don't Leave Yet. This is Really Cool! Session Chair: J. Capmany	