

SUMMER TOPICALS MEETING SERIES 2018

PROGRAM – AT – A – GLANCE

	Integrated Mid-Infrared Photonics (IMIP)	Machine Learning-Assisted Software-Defined Optical Networks (MLSDN)	Non-Hermitian and Topological Photonics (NTP)	Non-Hermitian and Topological Photonics (NTP)	Quantum Networks (QN)	Quantum Optical Phenomena in Optoelectronics (QOPO)	SDM and Beyond (SDMB)
Room:	Waikoloa 1	King's 2	Kohala 2	Kohala 1	Kohala 3	Kohala 4	King's 3
Monday, 9 July							
8:00 am – 8:30 am	BREAKFAST - Kohala Promenade						
8:30 am – 10:00 am	MA1: Thermal and Germanium Optical Sources I Session Chair: A. Chelnokov		MC1: Topological Lasers and Emitters I Session Chair: M. Rechtsman		MD1: Networks & Applications Session Chair: M. Brodsky	ME1: Plenary Session Session Chair: S. Reitzenstein	MF1: SDM Transmission I Session Chair: B. Puttnam
10:00 am – 10:30 am	COFFEE BREAK - Kohala Promenade						
10:30 am – 12:00 pm	MA2: Thermal and Germanium Optical Sources II Session Chair: O. Nakatsuka	MB2: Plenary Session Session Chair: Q. Zhuge	MC2: PT-symmetric Non-Hermitian Photonics Session Chair: M. Segev		MD2: Quantum Repeater Implementations Session Chair: V. Malinovsky	10:30 am-12:10 pm ME2: Lasers Session Chair: S. Reitzenstein	MF2: SDM Components I Session Chair: J. Schroder
12:00 pm-1:30 pm	LUNCH BREAK (ON OWN)						
1:30 pm – 3:00 pm	MA3: (Si)GeSn Devices I Session Chair: B. Cheng	MB3: Applications of ML in Optical Networks I Session Chair: R. Nejabati	MC3: Active Nanophotonics Session Chair: S. Fainman		MD3: Quantum Repeaters Session Chair: B. Sanders	1:50 pm-3:00 pm ME3: Quantum Emitters Session Chair: F. Jahnke	MF3: Multi-mode Fiber Modelling Session Chair: I. Gasulla
3:00 pm – 3:30 pm	COFFEE BREAK - Kohala Promenade						
3:30 pm-5:00 pm	MA4: (Si)GeSn Devices II Session Chair: M. Takenaka	MB4: Performance Monitoring Session Chair: J. Mata	MC4: Topological Photonics and Weyl Points Session Chair: Y. Chong	3:30 pm-5:15 pm MG4: Lasing in Non-Hermitian and PT-symmetric Systems Session Chair: L. Yang	MD4: Quantum Key Distribution Session Chair: G. Kanter	3:30 pm-5:10 pm ME4: Lasers and Quantum Emitters I Session Chair: J. Coleman	3:30 pm-4:30 pm MF4: Spatial Diversity and Quantum Systems Session Chair: S. Leon-Saval
7:00 pm-9:00 pm	MP: WELCOME RECEPTION & POSTER SESSION – Grand Promenade						

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Tuesday, 10 July							
8:00 am – 8:30 am	BREAKFAST - Kohala Promenade						
8:30 am – 10:00 am	TuA1: (Si)GeSn Devices III Session Chair: S.-Q. (Fisher) Yu	TuB1: Multilayer Optical Networks Session Chair: R. Muñoz	TuC1: Topological Lasers and Emitters II Session Chair: S. Mittal		TuD1: Quantum Sensing Session Chair: T. Northup	TuE1: Applications Session Chair: W. Schleich	TuF1: Multi-mode Imaging Session Chair: J. Carpenter
10:00 am – 10:30 am	COFFEE BREAK - Kohala Promenade						
10:30 am – 12:00 pm	TuA2: (Si)GeSn Material Properties I Session Chair: D. Buca	TuB2: Applications of ML in Optical Networks II Session Chair: O. Yilmaz	TuC2: Non-Hermitian Resonances and Optical Transport Session Chair: D. Christodoulides		TuD2: Spectral and Temporal Entanglement Manipulation Session Chair: M. Bellini	TuE2: Resonators and Si Photonics Session Chair: G. Eisensterin	TuF2: SDM Transmission II Session Chair: J. Schroder
12:00 pm-1:30 pm	LUNCH BREAK (ON OWN)						
1:30 pm – 3:00 pm	TuA3: (Si)GeSn Material Properties II Session Chair: W. Du	TuB3: Access Networks Session Chair: S. Savory	TuC3: Non-reciprocal and Topological Phenomena in Photonics Session Chair: B. Zhen	TuG3: Active Nanophotonics Session Chair: W. Zhou	TuD3: Quantum Metrology Session Chair: V. Malinovsky	TuE3: Lasers and Quantum Emitters II Session Chair: J.P. Reithmaier	TuF3: SDM Transmission III Session Chair: R. Ryf
3:00 pm 3:30 pm	COFFEE BREAK - Kohala Promenade						
3:30 pm-5:00 pm	TuA4: Group IV Integration Session Chair: J. Witzens	TuB4: Transmission and Photonics Session Chair: T. Tanimura	TuC4: Novel Concepts in Topological Photonics I Session Chair: S.K. Ozdemir	TuG4: Non-Hermitian Resonances and Beam Dynamics Session Chair: T. Kottos	TuD4: Enabling Photonic Technologies Session Chair: J. Howell	3:30 pm-5:20 pm TuE4: Active Media Session Chair: C. Gies	TuF4: Astrophotonics Session Chair: S. Leon-Saval

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Wednesday, 11 July							
8:00 am – 8:30 am	BREAKFAST - Kohala Promenade						
8:30 am – 10:00 am	WA1: Modulators and Optical Combs for Sensing Session Chair: G. Capellini	WB1: Network Optimization Session Chair: C. Tremblay	WC1: Non-Hermitian, Topological, and Non-reciprocal Phenomena in Photonics and Optomechanics Session Chair: Sahin Ozdemir		WE1: 8:30 am-9:00 am Joint QN & QOPO (in Kohala 4) 9:00 am-10:00 am WD1: Space Communications Session Chair: M. Brodsky	WE1: 8:30 am-9:00 am Joint QN & QOPO Session Chair: M. Scully 9:00 am-9:50 am WE2: AMO/OE Interface I Session Chair: M. Scully	WF1: Properties of Multi-Mode Systems Session Chair: R. Amezcua Correa
10:00 am – 10:30 am	COFFEE BREAK - Kohala Promenade						
10:30 am – 12:00 pm	WA2: III-V and IV Integration for Optical Sensing Session Chair: D. Paul	WB2: Telemetry and Learning Session Chair: Z. Zhu	WC2: Exceptional Points in Optics and Photonics Session Chair: D. Christodoulides		WD2: High-dimensional Entanglement Session Chair: K. Nemoto	10:30 am-12:20 pm WE3: AMO/OE Interface II Session Chair: C. Coleman	WF2: Nonlinear Spatial Diverse Systems Session Chair: I. Gasulla
12:00 pm – 1:30 pm	LUNCH BREAK (ON OWN)						
1:30 pm – 3:00 pm			WC3: Topological Phenomena in Non-Hermitian Systems Session Chair: Z. Chen	WG3: Novel Platforms for Topological Photonics Session Chair: Y. Chong	WD3: Quantum Photonic Circuits Session Chair: A. Weiner		1:30 pm-3:15 pm WF3: SDM Components II Session Chair: R. Luis
3:00 pm – 3:30 pm	COFFEE BREAK - Kohala Promenade						
3:30 pm – 5:00 pm			WC4: Novel Concepts in Topological Photonics II Session Chair: A. Khanikaev		WD4: QIS at U.S. Army Research Laboratory Session Chair: W. Munro		4:00 pm-5:00 pm WF4: Panel Discussion: SDM and Beyond an opportunity for Cross-disciplinary Research Session Chair: J. Schroder