

2020 SUMMER TOPICALS MEETING SERIES

Program-At-A-Glance

*ALL TIMES ARE IN MOUNTAIN DAYLIGHT TIME

Monday, July 13	Coherent Optics for Short Reach Network (CSN)	Signal Reconstruction Using Photonics (SR)	Silicon Integrated Mid-Infrared Photonics (SIMP)	Space Division Multiplexing (SDM)	Structure Light Interaction with Matter and the Environment (SL)
8:30 am-10:00 am	MA1: DSP for Coherent Transmission Session Chair: B. Schrenk	MB1: Photonic Imaging Session Chair: Y. Yoshida	MC1: SIMP-1 Session Chair: O. Mountanabbir	8:30 am-9:30 am MD1: Nonlinear Transmission in OAM Fibers Session Chair: G. Rademacher	8:30 am-10:35 am ME1: Optical Interaction Session Chair: M. Lavery
BREAK					
10:30 am-12:00 pm	MA2: Coherent Links Inside and Outside the Datacenter Session Chair: F. Karinou	MB2: Compressive Sensing Session Chair: G. Valley	MC2: SIMP-2 Session Chair: D. Nam	10:30 am-11:30 am MD2: Technoeconomics and Benefits of SDM Fibers Session Chair: G. de Valicourt	
BREAK					
1:30 pm-3:00 pm		MB3: Photonic Neural Network Session Chair: R. Stabile	1:30 pm-3:15 pm MC3: SIMP-3 Session Chair: F. Yu	MD3: Design and Fabrication of Coupled SDM Fibers Session Chair: J.C. Alvarado Zacarias	1:30 pm-3:22 pm ME2: Structured Light Technology Session Chair: N. Fontaine
BREAK					
3:30 pm-5:00 pm	4:00 pm-5:00 pm MA3: Optoelectronic Components for Coherent Links Session Chair: B. Schrenk	MB4: Wideband Signal Acquisition Session Chair: J. Azana		4:30 pm-6:00 pm MD4: Progress in SDM Transmission Session Chair: B. Puttnam	4:00 pm- 4:40 pm ME3: Optical Interaction Panel Session Session Chair: M. Lavery
<div style="display: flex; justify-content: space-between; align-items: center;"> <div data-bbox="37 1360 682 1537" style="text-align: left;"> <p>IEEE PHOTONICS SOCIETY</p> <h1>SUMMERTOPICALS MEETING SERIES 2020</h1> </div> <div data-bbox="1715 1334 2066 1537" style="text-align: center;"> 5:00 pm-5:40 pm ME4: Structured Light Technology Panel Session Session Chair: N. Fontaine </div> </div>					

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Tuesday, July 14	Coherent Optics for Short Reach Network (CSN)	Signal Reconstruction Using Photonics (SR)	Silicon Integrated Mid-Infrared Photonics (SIMP)	Space Division Multiplexing (SDM)	Structure Light Interaction with Matter and the Environment (SL)
8:30 am-10:00 am	TuA1: Low-Complexity Coherent Access Session Chair: B. Schrenk	TuB1: Metrology Session Chair: J. Azana	TuC1: SIMP-4 Session Chair: O. Mountanabbir	8:30 am-9:45 am TuD1: Quantum Properties of SDM Fibers Session Chair: L. Palmieri	8:30 am-10:10 am TuE1: Structured Light Imaging Session Chair: T. Omatsu
BREAK					
10:30 am-12:00 pm	TuA2: Coherent Datacenters Session Chair: F. Karinou	TuB2: Reservoir Computing Session Chair: R. Stabile	TuC2: SIMP-5 Session Chair: A. Chelnokov	10:30 am-11:45 am TuD2: Signal Processing in SDM Waveguides Session Chair: K. Choutagunta	
BREAK					
1:30 pm-3:00 pm		TuB3: Photonic Computing and Imaging Session Chair: G. Valley	1:30 pm-3:00 pm TuC3: SIMP-6 Session Chair: D. Nam		1:30 pm-3:35 pm TuE2: Structured Light in Fibers 1 Session Chair: N. Fontaine
BREAK					
3:30 pm-5:00 pm	3:30 pm-4:45 pm TuA3: Simplified Coherent Reception Session Chair: F. Karinou	3:45 pm-5:00 pm TuB4: Quantum and Imaging Session Chair: H. Chen		4:30 pm-5:45 pm TuD3: SDM Networks Session Chair: M. Mazur	4:00 pm-4:40 pm TuE3: Structured Light Imaging Panel Session Session Chair: T. Omatsu
<div style="display: flex; justify-content: space-between; align-items: center;"> <div data-bbox="21 1338 651 1531" style="text-align: left;"> <p>IEEE PHOTONICS SOCIETY</p> <h1>SUMMERTOPICALS MEETING SERIES 2020</h1> </div> <div data-bbox="1732 1338 2083 1531" style="text-align: right;"> 5:00 pm-5:40 pm TuE4: Structured Light in Fibers 1 Panel Session Session Chair: N. Fontaine </div> </div>					

2020 SUMMER TOPICALS MEETING SERIES

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*ALL TIMES ARE IN MOUNTAIN DAYLIGHT TIME

Wednesday, July 15	Coherent Optics for Short Reach Network (CSN)	Signal Reconstruction Using Photonics (SR)		Space Division Multiplexing (SDM)	Structure Light Interaction with Matter and the Environment (SL)
8:30 am-10:00 am	WA1: Cost-Effective Coherent Transceivers Session Chair: B. Schrenk	WB1: Optical Sampling Session Chair: H. Chen		WD1: Modelling of Linear and Nonlinear Coupling in SDM Fibers Session Chair: I. Gasulla	8:30 am-10:35 am WE1: Scattering of Structured Light Session Chair: T. Omatsu
BREAK					
10:30 am-12:00 pm	WA2: Coherent Systems for Intra-Datcenter Networks Session Chair: F. Karinou	WB2: Signal Processing in Telecom Session Chair: Y. Yoshida		WD2: SDM Amplifiers Session Chair: R. Ryf	
BREAK					
1:30 pm-3:00 pm		WB3: Photonics for RF Signal Processing Session Chair: J. Azana		1:30 pm-2:15 pm WD3: SDM Components for Free-space Communications Session Chair: C. Antonelli	1:30 pm-2:32 pm WE2: Structured Light in Fibers 2 Session Chair: J. Wang
BREAK					
3:30 pm-5:00 pm	WA3: Coherent Optics for Future Access Session Chair: B. Schrenk	WB4: Signal Recovery and Sampling Session Chair: H. Chen		4:30 pm-6:00 pm WD4: Real-time and Parallel Integrated SDM Transceivers Session Chair: R. Luis	4:00 pm-4:40 pm WE3: Scattering of Structured Light Panel Session Session Chair: T. Omatsu
					6:00 pm-6:40 pm WE4: Structured Light in Fibers 2 Panel Session Session Chair: J. Wang