



2020 Program-at-a-Glance

*ALL TIMES ARE IN CENTRAL DAYLIGHT TIME

Monday, 10 August

8:00 am-10:15 am	<p align="center">Keynote/Plenary Session Session Chair: John Henry Williams, <i>Air Force Research Laboratory, USA</i></p>
	<p align="center">8:00 am-8:15 am Welcome Remarks: David Lambert, <i>Air Force Research Laboratory, Munitions Directorate, USA</i></p>
	<p align="center">8:15 am-8:45 am Keynote Speaker: Gen. Arnold W. Bunch Jr., <i>Commander, Air Force Materiel Command, Wright-Patterson Air Force Base, USA</i></p>
	<p align="center">8:45 am-9:15 am Plenary Speaker: Alexandra Boltasseva, <i>Purdue University, USA</i></p>
	<p align="center">9:15 am -9:45 am Plenary Speaker: Nicholas Kotov, <i>University of Michigan, USA</i></p>
	<p align="center">9:45 am-10:15 am Plenary Speaker: Tobias Kippenberg, <i>École polytechnique fédérale de Lausanne, Switzerland</i></p>
10:15 am-10:45 am	<p align="center">Break</p>
10:45 am-11:30 am	<p align="center">Women in Photonics / Women in Science and Engineering Session Session Chair: Adriane Moura, PhD., <i>Applied Research Associates, Inc, USA</i></p>
	<p align="center">Plenary Speaker: Michelle Ewy, <i>Air Force Research Laboratory, USA</i></p>
11:30 am-12:00 pm	<p align="center">Break</p>
12:00 pm-12:30 pm	<p align="center">STEM Session Session Chair: Brian Mitchell, <i>Eglin Air Force Base, USA</i></p>
	<p align="center">STEM Speaker: Ralph Tillinghast, <i>U.S. Army, Picatinny Arsenal, USA</i></p>
	<p align="center">STEM Speaker: Natalia Canas-Estrada, <i>Associate Vice President of STEM Outreach, IEEE Photonics Society, USA</i></p>

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Tuesday, 11 August

	ANP - Advanced Nanophotonics Platform	ETP - Enabling Technologies in Photonics	HPLSET - High Power Laser Science and Engineering Technology	MMAP - Materials and Manufacturing for Advanced Photonics	OEDDIP - Optical Emitter/Detector Devices and Integrated Photonics	OPM - Organic Photonic Materials	PDS - Photonics for Defense Systems
8:00 am-10:00 am	TuA1: Ultrafast and Nonlinear Nanophotonics Session Chairs: H. Harutyunyan & M. Allen	TuB1: Optical MEMS/NEMS Session Chairs: L. Starman & H. Hall	8:00 am-9:30 am TuC1: Nonlinear Optical and Photonic Materials for High Power Lasers and Applications Session Chair: S. Guha & C. Liebig	8:00 am-9:30 am TuD1: Novel Materials for Photonics Session Chairs: J. Boeckl & T. Back	TuE1: Lasers/Emitters Session Chairs: S. Dev & D. Wasserman	TuF1: Hybrid Organic-Inorganic Materials & Devices Session Chairs: A. Mohite & M. Sfeier	8:00 am-9:30 am TuG1: Instrumentation and Control for Test and Evaluation Session Chair: R. Orgusaar
10:00 am-10:30 am	Break						
10:30 am-12:30 pm	10:30 am-12:00 pm TuA2: Active Plasmonics and Nanophotonics Session Chairs: A. Agrawal & P. Bharadwaj	TuB2: Microwave Optics and RF Photonics Session Chairs: B. Braaten & J. Deroba	10:30 am-11:30 am TuC2: High Peak and Average Power Laser Technology Solid State Session Chairs: E. Chowdhury & A. Valenzuela	TuD2: Semiconductor Materials and Quantum Nanoscience Session Chairs: K. Eyink & P. Deotare	TuE2: Epitaxial Growth, Fabrication and Characterization Session Chairs: S. Arafin & E. Shaner	10:30 am-11:30 am TuF2: Infrared Organic Materials and Properties Session Chairs: J. Vella & J. Azoulay	10:30 am-12:00 pm TuG2: Special Ops Interests Session Chairs: M. Schmitt & A. Gracia
12:30 pm-1:30 pm	Break						
1:30 pm-3:30 pm	TuA3: Machine Learning/AI for Photonics Session Chairs: A. Boltasseva & E. Doucette	1:30 pm-2:30 pm TuB3: Signal Processing, Machine Learning, and Large-scale Data Science Session Chairs: J. Murray-Bruce & B. Minnehan	TuC3: Secondary Source Development from USPL (GHz-THz to x/gamma Rays to MeV Electrons and Protons) Session Chairs: J. Pigeon & E. Rosenthal	TuD3: Scalable Manufacturing and Rapid Prototyping for Photonics Session Chairs: E. Kinzel & H. Sigmarsson	TuE3: Integrated Photonics and Optical Devices Session Chairs: W. Zhou & A. Mazumdar	1:30 pm-2:30 pm TuF3: Nonlinear Organic Materials Session Chairs: R. O'Donnell & T. Grusenmeyer	1:30 pm-3:30 pm TuG3: EO/IR/LADAR (Part 1) Session Chairs: B. Stadler & D. Rabb 4:00 pm-5:00 pm TuG3: EO/IR/LADAR (Part 2) Session Chairs: B. Stadler & D. Rabb
3:30 pm-4:00 pm	Break						
4:00 pm-5:30 pm	TuA4: Emerging Material Platforms for Plasmonics Session Chairs: A. Hoffman & S. Law			TuD4: Liquid Crystal Technology Session Chairs: M. McConney & N. Tabiryan	4:30 pm-6:00 pm TuE4: UV Optoelectronics Session Chairs: B. Nikoobakht & N. Tansu	4:00 pm-4:30 pm TuF4: Charge Transport in Organic Materials Session Chairs: J. Cahoon & S. Roberts	5:30 pm-6:30 pm TuG4: Blast/Shock Wave Imaging and Spectroscopic Techniques Session Chairs: M. Schmidt, S. Vasu & W. Lewis

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Wednesday, 12 August

	AOP - Applications of Photonics	HMB - Humanstate Measurement and Biosensing	LDPM - Low-dimensional Photonic Materials	NPNMAP - Novel Phenomena and New Materials for Advanced Photonics	OIST - Optical Imaging and Sensing Technology	OMPEES - Optical Metamaterials, Plasmonics and Engineered Electromagnetic Structures
8:00 am-10:00 am	8:00 am-9:30 am WA1: Devices and Systems for Sensors Session Chairs: F. Long & G. Fischer	WB1: Materials and Devices for Biosensing Session Chairs: B. Wenner & I. Lima	8:00 am-9:30 am WC1: Two Dimensional and Topological Materials Session Chairs: A. Reed & G. Moody	8:00 am-9:30 am WD1: Integrated Quantum Photonics Session Chairs: A. Agraval & M. Devanco	WE1: RF and Optical Target Imaging, Identification, and Pattern Recognition Session Chairs: J. Cuenca & M. Burfeindt	8:00 am-10:30 am WF1: Resonant Photonic Lattices: Principles and Applications Session Chairs: R. Magnusson & I. Avrutsky
10:00 am-10:30 am	Break					
10:30 am-12:30 pm	WA2: T&E Forum Session Chairs: A. Keipert, P. Rozwood, A. Saul & D. Beargie	10:30 am-11:30 am WB2: Biosensing Methods Session Chairs: J. Chavez-Benavides & J. Hagen	WC2: Quantum Optics and Low-Dimensional Quantum Materials Session Chairs: Y. Abate & N. Stern	10:30 am-12:00 pm WD2: Chiral and Nonlinear Nano/Meta-Materials Session Chairs: A. Govorov & V. Valev	10:30 am-12:00 pm WE2: Spectral, Polarimetric, and Multimodal Imaging Session Chairs: J. Martin & J. Zeibel	11:00am-12:00 pm WF2: Optical Metamaterials Based Devices and Applications Session Chairs: S. Vangala & G. Shvets
12:30 pm-1:30 pm	Break					
1:30 pm-3:30 pm	WA3: Displays, Holography and Projection - I Session Chairs: F. Kiamilev & R. Rapp	WB3: Human State Measurement Session Chairs: S. Kim & A. Raj		1:30 pm-2:30 pm WD3: Dynamic Control of Self-assembled Plasmonic Nanostructures Session Chairs: S. Bukosky & M. Allen	1:30 pm-2:30 pm WE3: Optical Detectors and Focal Plane Arrays Session Chairs: E. Steenbergen & D. Ting	WF3: Active Metasurfaces and Flat-optics Session Chairs: J. Valentine & A. Davoyan
3:30 pm-4:00 pm	Break					
4:00 pm-5:00 pm	4:00 pm-5:30 pm WA4: Displays, Holography and Projection - II Session Chairs: F. Kiamilev & R. Rapp	4:00 pm-6:00 pm WB4: Human Analyst Augmentation Session Chairs: A. Rice & R. McKinley	WC4: Synthesis and Fabrication of 2D Materials Session Chairs: N. Glavin & M. Wang	WD4: Flexible Photonics and Electronics Session Chairs: W. Zhou & A. Roy		