



2022 Program-at-a-Glance

*ALL TIMES ARE IN CENTRAL DAYLIGHT TIME		Monday, 12 September		
12:00 pm- 1:15 pm	MA1: Women in Photonics/Women in Science and Engineering Luncheon <i>*Pre-registration Required*</i> Plenary: Ms. Lisa Sanders, <i>USSOCOM Director of Science and Technology, USA</i>			
1:15 pm-1:30 pm – BREAK - Emerald Foyer				
1:30 pm- 3:45 pm	MB1: Keynote & Plenary Session			<i>Emerald C/D/E</i>
	Welcome Remarks: David Lambert, <i>Air Force Research Laboratory, Munitions Directorate, USA</i>			
	Keynote: Dr. Victoria Coleman, <i>Chief Scientist of the United States Air Force, USA</i>			
	Plenary: Dr. Timothy Bunning, <i>Chief Technology Officer, Air Force Research Laboratory, USA</i>			
	Plenary: Prof. Yeshaiahu (Shaya) Fainman, <i>Professor, University of California San Diego, USA</i>			
	Plenary: Prof. Benjamin Eggleton, <i>Director of The University of Sydney Nano Institute, Australia</i>			
3:45 pm-4:00 pm – BREAK - Emerald Foyer				
4:00 pm- 4:30 pm	MC1: Workforce Development and Networking Plenary: Mr. Rodney Allen, <i>Air Force Research Laboratory, USA</i>			<i>Emerald C/D/E</i>

Tuesday, 13 September					
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<i>Emerald A</i>	<i>Emerald B</i>	<i>Coastal A</i>	<i>Coastal B</i>	<i>Coastal C</i>	<i>Pelican</i>
8:00 am-10:00 am TuA1: Active Plasmonics and Nanophotonics	8:00 am-10:00 am TuB1: Optical Methods for Characterizing Propulsion Systems	8:00 am-10:00 am TuC1: Microwave Optics and RF Photonics	8:00 am-10:00 am TuD1: Infrared Organic Materials & Properties	8:00 am-9:30 am TuE1: High Power Laser Matter Interaction 9:30 am-10:00 am TuE2: Pulse Laser Technology and Applications	8:00 am-10:00 am TuF1: Human Machine Symbiosis
10:00 am-10:15 am - BREAK - Emerald Foyer					
10:15 am-12:15 pm TuA2: Emerging Materials Platforms for Pasmonics	10:15 am-11:45 am TuB2: T&E Tools, Challenges, and Opportunities in Photonics Forum	10:15 am-12:15 pm TuC2: Interferometric Analysis Methods	10:15 am-12:15 pm TuD2: Modeling and Simulation for Advanced Photonics	10:15 am-12:00 pm TuE3: Laser/Emitters	10:15 am-12:00 pm TuF2: Recent Advances, Discoveries and Future Opportunities in Photonic Nano-materials
12:15 pm-1:30 pm - STEM Luncheon *Pre-registration Required* Plenary: Dr. George Fischer, Army Combat Capabilities Development Command, USA					
1:30 pm-3:30 pm TuA3: Integrated Quantum Photonics	1:30 pm-3:30 pm TuB3: Blast/Shock Wave Imaging and Spectroscopic Techniques-I	1:30 pm-3:30 pm TuC3: Optical Sensing and Computational Imaging Systems	1:30 pm-3:15 pm TuD3: Non-Epitaxial Optoelectronic Devices	1:30 pm-3:00 pm TuE4: High Peak and Average Power Laser Technology Solid State	1:30 pm-2:45 pm TuF3: Devices and Systems for Sensors
3:30 pm-3:45 pm - BREAK - Emerald Foyer					
3:45 pm-5:15 pm TuA4: Ultrafast and Nonlinear Nanophotonics	3:45 pm-6:00 pm TuB4: Blast/Shock Wave Imaging and Spectroscopic Techniques-II	3:45 pm-5:45 pm TuC4: UV Optoelectronics	3:45 pm-5:15 pm TuD4: Two-Dimensional Materials & Topological Photonics	3:45 pm-4:45 pm TuE5: Terahertz Photonics	
7:00 pm-9:00 pm Welcome Reception - Barefoot's Deck					

Wednesday, 14 September					
*ALL TIMES ARE IN CENTRAL DAYLIGHT TIME					
<i>Emerald A</i>	<i>Emerald B</i>	<i>Coastal A</i>	<i>Coastal B</i>	<i>Coastal C</i>	<i>Pelican</i>
8:00 am-9:45 am WA1: Biosensing Methods	8:00 am-9:30 am WB1: Novel Materials for Photonics	8:00 am-10:00 am WC1: Spectral, Polarimetric, and Multimodal Imaging	8:00 am-10:00 am WD1: Optical Metamaterials Based Devices and Applications	8:00 am-10:00 am WE1: Instrumentation for Test and Evaluation of Nonlinear Plasma Effects In Space Physics Applications	8:00 am-10:00 am WF1: Displays and Holography I
10:00 am-10:15 am - BREAK - Emerald Foyer					
10:15 am- 12:15 pm WA2: Human State Measurement	10:15 am- 12:15 pm WB2: Scalable Manufacturing and Rapid Prototyping for Photonics	10:15 am-12:15 pm WC2: RF and Optical Target Imaging, Identification, and Pattern Recognition	10:15 am-12:15 pm WD2: Resonant Photonic Lattices: Principles and Applications	10:15 am-12:15 pm WE2: Photonics and Future Warfighter Operational Concepts	10:15 am-11:45 am WF2: Displays and Holography II
12:15 pm-1:15 pm - LUNCH BREAK – On Own					
1:15 pm-2:45 pm WA3: Materials and Devices for Biosensing	1:15 pm-3:00 pm WB3: Semiconductor Materials and Quantum Nanoscience	1:15 pm-3:15 pm WC3: Optical Detectors and Focal Plane Arrays	1:15 pm-2:45 pm WD3: Dynamic Control of Self-assembled Plasmonic Nanostructures	1:15 pm-3:15 pm WE3: EO/IR/LADAR	
3:15 pm-3:30 pm - BREAK - Emerald Foyer					
3:30 pm-5:00 pm WA4: Methods and Systems for High Speed Imaging and Sensing of Biological Systems	3:30 pm-5:30 pm WB4: Recent Advances, Discoveries and Future Opportunities in Photonic Nano-Materials	3:30 pm-5:30 pm WC4: Optical Detectors/Sensors	3:30 pm-6:00 pm WD4: Optical Metasurfaces and Applications	3:30 pm-5:30 pm WE4: Devices and Systems for Sensors	