



PROGRAM – AT – A – GLANCE

Wednesday, 22 August	
8:00am – 6:00pm - Registration Coral Ballroom Foyer	
Room:	Coral Ballroom A/B/C/D
1:00pm-3:30pm	<p style="text-align: center;">Plenary & Keynote Session</p> <p style="text-align: center;">Session Chair: Emily A. Doucette, <i>Air Force Research Laboratory, FL, USA</i></p> <p style="text-align: center;">1:00pm - 1:10pm Welcome Address: Michael Eismann, <i>Air Force Research Laboratory, OH, USA</i></p> <p style="text-align: center;">1:10pm - 1:35pm Opening Remarks: Stephen Welby, <i>Executive Director and Chief Operating Officer of the IEEE, NJ, USA</i></p> <p style="text-align: center;">1:35pm - 2:10pm Keynote: Richard Joseph, <i>Chief Scientist of the United States Air Force, Washington, D.C., USA</i></p> <p style="text-align: center;">2:10pm - 2:45pm Plenary I: Ray O. Johnson, <i>Bessemer Venture Partners, VA, USA</i></p> <p style="text-align: center;">2:45pm -3:20pm Plenary II: Chennupati Jagadish, <i>Australian National University, Camberra, Australia</i></p>
3:30pm-4:00pm	Break – Coral Ballroom Foyer
4:00pm-6:00pm	<p style="text-align: center;">STEM Session</p> <p style="text-align: center;">Session Chair: Brian Mitchell, <i>Air Force Research Laboratory, FL, USA</i></p> <p style="text-align: center;">4:00pm-4:05pm: Opening Remarks</p> <p style="text-align: center;">4:05pm - 4:35pm Keynote Speaker: Paul Hsu, <i>Total Parts Plus, FL, USA</i></p> <p style="text-align: center;">4:35pm - 6:00pm: STEM Presentations</p> <p style="text-align: center;"><i>Students from the Florida State Science & Engineering Fair and the International Science & Engineering Fair</i></p>
6:00pm-7:30pm	<p style="text-align: center;">Meet & Greet Reception: Photonics Workforce Development for Technicians & Veterans – Emerald E</p> <p style="text-align: center;">Session Chair: Lauren Mecum, <i>IEEE Photonics Society, NJ, USA</i></p> <p style="text-align: center;">Keynote Speaker: Chrysanthos Panayiotou, <i>LASER-TEC, FL, USA</i></p>

Thursday, 23 August

8:00am – 6:00pm - Registration & Exhibits Coral Ballroom Foyer

Room:	Coral Ballroom A	Coral Ballroom B	Coral Ballroom C	Coral Ballroom D	Heron	Theater
8:00am-8:30am	<p>ThA1: Track 1 (ETP): Enabling Technologies in Photonics Session Chairs: A. Gracia & M. Allen Keynote: Ben Eggleton</p>	<p>ThB1: Track 2 (MMAP): Materials and Manufacturing for Advanced Photonics Session Chairs: R. Pachter & M. Filler Keynotes: Ruth Pachter & Michael Filler</p>	<p>ThC1: Track 3 (OEDDIP): Optical Emitter/Detector Devices and Integrated Photonics Session Chairs: R. Rapp & D. Wasserman Keynote: Robert Magnusson</p>	<p>ThD1: Track 4 (OMPSP): Optical Metamaterials, Plasmonics and Subwavelength Photonics Session Chairs: J. Allen & J. Caldwell Keynote: Nader Engheta</p>	<p>ThE1: Track 5 (PDS): Photonics for Defense Systems Session Chairs: R. Orgusaar & M. Schmitt Keynote: Dalma Novak</p>	
8:30am–10:30am	<p>ThA2: Microwave Optics and RF Photonics Session Chairs: B. Braaten & B. Eggleton</p>	<p>ThB2: Novel Materials for Photonics Session Chairs: J. Boeckl & W. Zhou</p>	<p>ThC2: Integrated Photonics and Optical Devices Session Chairs: R. Magnusson & A. Majumdar</p>	<p>ThD2: Plasmonic Devices and Applications Session Chairs: M. Allen & J. Guo</p>	<p>ThE2: EO/IR/LADAR Session Chairs: C. Keyser & S. Marlow</p>	9:00am-11:00am ThF2: Tutorial I Session Chair: C. McCartan Speakers: Aaron Maxwell Andrews & Jacob Dodson
10:30am - 12:30pm	<p>ThA3: Epitaxial Growth, Fabrication and Characterization Session Chairs: S. Krishna & D. Jelinek</p>	<p>ThB3: Nonlinear Materials and Phenomena Session Chairs: S. Guha & I. Lima</p>	<p>ThC3: Lasers/Emitters Session Chairs: D. Wasserman & F. Grillot</p>	<p>ThD3: Optical Metamaterials Based Devices and Applications Session Chairs: J. Allen & G. Shvets</p>	<p>ThE3: Instrumentation and Control for Test and Evaluation Session Chairs: M. Johnson & R. Orgusaar</p>	
12:30pm – 1:30pm	<p align="center">Women in Photonics / Women in Science and Engineering Luncheon – Emerald E Session Chair: Mary Kinsella, <i>Air Force Research Laboratory, OH, USA</i> Keynote Speaker: Elisabetta Jerome, <i>Air Force Test Center, FL, USA</i></p>					
1:30pm–3:30pm	<p>ThA4: Devices and Systems for Sensors Session Chairs: B. Stadler & M. Schmitt</p>	<p>ThB4: Scalable Manufacturing and Rapid Prototyping for Photonics Session Chairs: C. Tabor & M. Filler</p>	<p>ThC4: UV Optoelectronics Session Chairs: M. Gerhold & R. Collazo</p>	<p>ThD4: Optical Metasurfaces and Applications Session Chairs: A. Urbas & M. Kats</p>	<p>ThE4: Enabling Tools for Testing Rapidly Evolving EO/IR Systems Session Chairs: A. Keipert & J. Vosatka</p>	2:00pm-4:00pm ThF4: Tutorial II Session Chair: C. McCartan Speakers: Jason Foley & Janet Wolfson
3:30pm - 5:30pm	<p>3:30pm-5:15pm ThA5: Position, Navigation and Time Technologies Session Chairs: M. Miller & D. Bevly</p>	<p>ThB5: Semiconductor Materials and Quantum Nanoscience Session Chairs: K. Eyink & P. Deotare</p>	<p>ThC5: Optical Detectors and Focal Plane Arrays Session Chairs: J. Cleary & J. Duran</p>	<p>ThD5: Dynamic Control of Self-assembled Plasmonic Nanostructures Session Chair: J. Fontana & J. Valentine</p>	<p>ThE5: Displays, Holography and Projection Session Chairs: R. Rapp & F. Kiamilev</p>	
5:30pm-6:00pm	<p>ETP Panel Discussion Session Chairs: A. Gracia & M. Allen</p>	<p>MMAP Panel Discussion Session Chairs: R. Pachter & M. Filler</p>	<p>OEDDIP Panel Discussion Session Chairs: R. Rapp & D. Wasserman</p>	<p>OMPSP Panel Discussion Session Chairs: J. Allen & J. Caldwell</p>	<p>PDS Panel Discussion Session Chairs: R. Orgussar & M. Schmitt</p>	
7:00pm-9:00pm	<p align="center">Welcome Reception – Barefoot’s Deck</p>					

Friday, 24 August

8:00am - 3:00pm - Registration & Exhibits Coral Ballroom Foyer

Room:	Coral Ballroom A	Coral Ballroom B	Coral Ballroom C	Coral Ballroom D	Heron	Theater
8:00am-8:30am	FA1: Track 6 (HMB): Human State Measurement and Biosensing Session Chairs: R. Naik & B. Wenner Keynote: Rajesh Naik	FB1: Track 7 (OIST): Optical Imaging and Sensing Technology Session Chairs: M. Eismann & R. Magnusson Keynote: M. Eismann	FC1: Track 8 (BBT): Bioinspired and Biopincipic Technologies Session Chair & Keynote: Ric Wehling	FD1: Track 9 (NPNMAP): Novel Phenomena and New Materials for Advanced Photonics Session Chairs: D. Basov & Y. Abate Keynote: Dmitri Basov	FE1: Track 10 (ANP): Advanced Nanophotonics Platforms Session Chair: H. Harutyunyan Keynote: Alexandra Boltasseva Invited: Svetlana Boriskina	9:00am-11:00am FF2: Tutorial III Session Chair: C. McCartan Speakers: Sanjay Krishna & Robert Magnusson
8:30am-10:30am	FA2: Biosensing Methods Session Chairs: J. Chavez & M. Palma	FB2: Spectral, Polarimetric, and Multimodal Imaging Session Chair: M. Eismann & M. Kudenov	FC2: Bioinspired Optical Technologies Session Chairs: T. Cronin & F. Reiningger	FD2: Quantum Sensing and Spintronics Session Chair: M. Flatte	FE2: Ultrafast and Nonlinear Nanophotonics Session Chairs: H. Harutyunyan & J. Boeckl	
10:30am-12:30pm	FA3: Materials and Devices for Biosensing Session Chair: B. Wenner	FB3: Blast/Shock Wave Imaging and Spectroscopic Techniques Session Chairs: C. Mai & A. Diggs	FC3: Bioinspired Sensors Session Chairs: G. Belusic & M.A. Massie	FD3: Two-Dimensional Materials Session Chair: J. Hone	FE3: High Refractive Index Enabled Nanophotonics Session Chairs: J. Schuller & J. Caldwell	
12:30pm-1:30pm	Professional Development Tutorial Lunch & Learn - Emerald E Session Chair: Stanley Ikpe, <i>NASA Langley Research Center, VA, USA</i> Keynote Speaker: Linda Stacy, <i>LivingBluPrints, MA, USA</i>					
1:30pm-3:30pm	1:30pm-3:15pm FA4: Human State Measurement Session Chair: J. Christensen	FB4: Terahertz Photonics Session Chairs: G. Goldsmith II & M. Kim	FC4: Biobased Signal and Information Processing I Session Chairs: G. Barrows & P. Abshire	FD4: Topological Insulators and Photonics Session Chair: N. Fang	FE4: Emerging Material Platforms for Plasmonics Session Chairs: A. Boltasseva & S. Law	2:00pm-4:00pm FF4: Tutorial IV Session Chair: C. McCartan Speakers: Brian Mitchell & Claron Ridge
3:30pm - 5:30pm	3:30pm-5:15pm FA5: Human Analyst Augmentation Session Chairs: G. Burnett & A. Ephrem	FB5: Target Detection and Pattern Recognition Session Chairs: M. Burfeindt & D. Gray	3:30pm-4:45pm FC5: Biobased Signal and Information Processing II Session Chair: R. Wehling	FD5: Modeling and Simulation for Advanced Photonics Session Chairs: R. Pachter & S. Trendafilov	FE5: Active Plasmonics and Nanophotonics Session Chairs: A. Agrawal & P. Bharadwaj	
5:30pm-6:00pm	HMB Panel Discussion Session Chairs: R. Naik & B. Wenner	OIST Panel Discussion Session Chairs: M. Eismann & R. Magnusson	BBT Panel Discussion Session Chair: R. Wehling	NPNMAP Panel Discussion Session Chair: Dmitri Basov	ANP Panel Discussion Session Chair: H. Harutyunyan	

**THANK YOU FOR ATTENDING THE FIRST ANNUAL RAPID CONFERENCE,
WE LOOK FORWARD TO SEEING YOU NEXT YEAR!**