

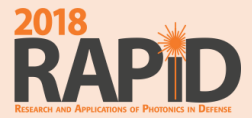


PROGRAM – AT – A – GLANCE

Wednesday, 22 August	
8:00am – 6:00pm - Registration Coral Ballroom Foyer	
Room:	Coral Ballroom A/B/C/D
1:00pm-3:30pm	<p>Plenary & Keynote Session</p> <p>Session Chair: Emily A. Doucette, <i>Air Force Research Laboratory, FL, USA</i></p> <p>1:00pm - 1:10pm Welcome Address: Michael Eismann, <i>Air Force Research Laboratory, OH, USA</i></p> <p>1:10pm - 1:35pm Opening Remarks: Stephen Welby, <i>Executive Director and Chief Operating Officer of the IEEE, NJ, USA</i></p> <p>1:35pm - 2:10pm Keynote: Richard Joseph, <i>Chief Scientist of the United States Air Force, Washington, D.C., USA</i></p> <p>2:10pm - 2:45pm Plenary I: Ray O. Johnson, <i>Bessemer Venture Partners, VA, USA</i></p> <p>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>STEM Session</p> <p>Session Chair: Brian Mitchell, <i>Air Force Research Laboratory, FL, USA</i></p> <p>4:00pm - 4:05pm: Opening remarks</p> <p>4:05pm - 4:35pm Keynote Speaker: Paul Hsu, <i>Total Parts Plus, FL, USA</i></p> <p>4:35pm - 5:30pm STEM Presentations</p> <p><i>Students from the Florida State Science & Engineering Fair and the International Science & Engineering Fair</i></p> <p>5:30pm -6:00pm Panel Discussion</p>
6:00pm-7:30pm	<p>Meet & Greet Reception: Photonics Workforce Development for Technicians & Veterans – Emerald E</p> <p>Session Chair: Lauren Mecum, <i>IEEE Photonics Society, NJ, USA</i></p> <p>Keynote Speaker: Chrysanthos Panayiotou, <i>LASER-TEC, FL, USA</i></p>

Thursday, 23 August

7:30am-8:30am - Breakfast



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

Friday, 24 August

7:30am-8:30am - Breakfast

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 Bioprincipic 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	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. Reininger	8:30am-10:15am FD2: Quantum Sensing and Spintronics Session Chair: M. Flatte	FE2: Ultrafast and Nonlinear Nanophotonics Session Chairs: H. Harutyunyan & J. Boeckl	
10:30am-12:30pm	10:30am-12:00pm 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. Caldwell	
12:30pm-1:30pm	Professional Development Tutorial Lunch & Learn - Emerald E *Pre-Registration Required 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: R. Naik	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 & Kyle Overdeep
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-5:15pm 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!**