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## 2019 PROGRAM – AT – A – GLANCE


<b>Monday, 19 August</b>		<b>Registration 8:00am – 5:00pm Exhibits 9:00am – 4:00pm</b>	<i>Emerald Foyer</i>
<b>12:00pm-1:00pm</b>	<p align="center"><b>Young Professionals Luncheon</b>            Session Chair: Stanley Ikpe, <i>NASA Langley Research Center, USA</i>            Keynote Speaker: <b>Situational Leadership</b>, Elizabeth Lions, <i>Author &amp; Career Coach</i></p>		<i>Emerald Ballroom A/B</i>
<b>1:00pm-3:00pm</b>	<p align="center"><b>Plenary &amp; Keynote Session</b>            Session Chair: Emily Doucette, <i>Air Force Research Laboratory, Florida, USA</i>  <b>1:00pm-1:15pm: Welcome Remarks</b>  <b>1:15pm – 1:30pm Plenary I:</b> David Lambert, <i>Air Force Research Laboratory, Florida, USA</i>  <b>1:30pm – 2:00pm Keynote:</b> Greg L. Zacharias, <i>Chief Scientist, Operational Test and Evaluation Office of the Secretary of Defense, USA</i>  <b>2:00pm – 2:30pm Plenary II:</b> David Stringer, <i>NASA Plum Brook Station, Ohio, USA</i>  <b>2:30pm – 3:00pm Plenary III:</b> Vlad Shalaev, <i>Purdue University, Indiana, USA</i></p>		<i>Emerald C/D/E</i>
<b>3:00pm-3:30pm</b>	<p align="center"><b>Coffee Break</b></p>		<i>Emerald Foyer</i>

**Tuesday, 20 August**

**7:30am-8:30am – Breakfast**  
**Registration 8:00am–5:00pm**  
**Exhibits 9:00am – 4:00pm**

*Emerald Foyer*



Room:	Sandpiper A/B	Sandpiper C/D	Emerald C	Emerald D	Emerald E	Pelican
8:00am - 10:00am	<p><b>TuA1</b>                      Plasmonic Devices &amp; Applications</p> <p><b>Session Chairs:</b>                      J. Hendrickson &amp; J. Valentine</p>	<p><b>TuB1</b>                      Spectral, Polarimetric, &amp; Multimodal Imaging</p> <p><b>Session Chairs:</b>                      M. Eismann &amp; D. Chenault</p>	<p>8:00am-9:45am  <b>TuC1</b>                      Devices &amp; Systems for Sensors</p> <p><b>Session Chairs:</b>                      S. Szczepanski &amp; A. Belliveau</p>	<p><b>TuD1</b>                      Novel Materials for Photonics</p> <p><b>Session Chair:</b>                      J. Boeckl</p>	<p><b>TuE1</b>                      Integrated Photonics &amp; Optical Devices</p> <p><b>Session Chair:</b>                      A. Majumdar</p>	<p><b>TuF1</b>                      EO/IR/LADAR</p> <p><b>Session Chairs:</b>                      B. Stadler &amp; D. Rabb</p>
10:00am – 10:15am	<b>Coffee Break</b>					<i>Emerald Foyer</i>
10:15am - 12:15pm	<p>10:15am-12:00pm  <b>TuA2</b>                      Optical Metamaterials Based Devices &amp; Applications</p> <p><b>Session Chair:</b>                      G. Shvets</p>	<p><b>TuB2</b>                      UV Optoelectronics</p> <p><b>Session Chairs:</b>                      R. Kriste &amp; R. Collazo</p>	<p>10:15am-12:00pm  <b>TuC2</b>                      Position, Navigation &amp; Timing</p> <p><b>Session Chairs:</b>                      M. Miller &amp; A. Schofield</p>	<p>10:15am-11:45am  <b>TuD2</b>                      Liquid Crystal Technology</p> <p><b>Session Chairs:</b>                      N. Tabiryan &amp; M. McConney</p>	<p><b>TuE2</b>                      Lasers/Emitters</p> <p><b>Session Chairs:</b>                      D. Wasserman &amp; G. Garrett</p>	<p><b>TuF2</b>                      Instrumentation &amp; Control for Test &amp; Evaluation</p> <p><b>Session Chairs:</b>                      M. Johnson &amp; R. Orgusaar</p>
12:15pm – 1:15pm	<p><b>Women in Photonics / Women in Science and Engineering Luncheon</b></p> <p><b>Session Chair:</b> Shere Tuckey, <i>Air Force Research Laboratory, Florida, USA</i></p> <p><b>Keynote Speaker:</b> In Hind-Sight - Lessons Learned, Laura Barnes, <i>Ohio University, USA</i></p>					<i>Emerald Ballroom A/B</i>
1:15pm– 3:15pm	<p><b>TuA3</b>                      Optical Metasurfaces &amp; Applications</p> <p><b>Session Chairs:</b>                      A. Urbas &amp; M. Kats</p>	<p><b>TuB3</b>                      Target Detection &amp; Pattern Recognition</p> <p><b>Session Chairs:</b>                      M. Burfeindt &amp; J. Cuenca</p>	<p>1:15pm-2:45pm  <b>TuC3</b>                      Microwave Optics &amp; RF Photonics</p> <p><b>Session Chairs:</b>                      B. Braaten &amp; B. Eggleton</p>	<p><b>TuD3</b>                      Scalable Manufacturing &amp; Rapid Prototyping for Photonics</p> <p><b>Session Chairs:</b>                      C. Tabor &amp; M. Filler</p>	<p><b>TuE3</b>                      Epitaxial Growth, Fabrication &amp; Characterization</p> <p><b>Session Chairs:</b>                      S. Krishna &amp; J. Foley</p>	<p><b>TuF3</b>                      Special Operations Interests</p> <p><b>Session Chairs:</b>                      A. Gracia &amp; M. Schmitt</p>
3:15pm - 3:30pm	<b>Coffee Break</b>					<i>Emerald Foyer</i>
3:30pm - 5:30pm	<p><b>TuA4</b>                      Resonant Photonic Lattices: Principles &amp; Applications</p> <p><b>Session Chairs:</b>                      R. Magnusson &amp; I. Avrutsky</p>	<p>3:30pm-5:45pm  <b>TuB4</b>                      Terahertz Photonics</p> <p><b>Session Chairs:</b>                      M. Kim &amp; E. Buckthal</p>	<p><b>TuC4</b>                      MEMS Devices &amp; Applications</p> <p><b>Session Chairs:</b>                      L. Starman &amp; H. Hall</p>	<p><b>TuD4</b>                      Modeling &amp; Simulation for Advanced Photonics</p> <p><b>Session Chairs:</b>                      R. Pachter &amp; S. Trendafilov</p>	<p>3:30pm-6:00pm  <b>TuE4</b>                      Optical Detectors &amp; Focal Plane Arrays</p> <p><b>Session Chairs:</b>                      J. Duran &amp; E. Shaner</p>	<p><b>TuF4</b>                      T&amp;E Tools, Challenges, and Opportunities in Photonics Forum</p> <p><b>Session Chairs:</b>                      A. Keipert &amp; M. Feliciano</p>
7:00pm - 9:00pm	<b>Welcome Reception – Barefoot’s Deck</b>					<p><i>Download the event app now to get the most from your experience!</i></p> 

Wednesday, 21 August

7:30am-8:30am - Breakfast  
Registration 8:00am-3:00pm  
Exhibits 9:00am – 4:00pm

Emerald Foyer



Room:	Sandpiper A/B	Sandpiper C/D	Emerald C	Emerald D	Emerald E	Pelican
8:00am-10:00am	<p><b>WA1</b> High Peak &amp; Average Power Laser Technology Solid State</p> <p><b>Session Chairs:</b> E. Chowdhury &amp; A. Valenzuela</p>	<p><b>WB1</b> Optical Systems for Charactering Flow Fields &amp; Combustion in Propulsion Devices</p> <p><b>Session Chair:</b> C. Carter</p>	<p><b>WC1</b> Charge Transport in Organic Materials</p> <p><b>Session Chairs:</b> G. Kushto &amp; K. Hanson</p>	<p><b>WD1</b> Ultrafast &amp; Nonlinear Nanophotonics</p> <p><b>Session Chair:</b> H. Harutyunyan</p>	<p><b>WE1</b> Dynamic Control of Self-Assembled Plasmonic Nanostructures</p> <p><b>Session Chairs:</b> C. Ridge &amp; V. Valev</p>	<p><b>WF1</b> Biosensing Methods</p> <p><b>Session Chairs:</b> J.C. Benavides &amp; J. Hagen</p>
10:00am-12:00pm	<p>10:00am-12:15pm <b>WA2</b> Secondary Source Development from USPL (GHz-THz to x/gamma Rays to MeV Electrons &amp; Protons)</p> <p><b>Session Chairs:</b> J. Pigeon &amp; M. Kolesik</p>	<p><b>WB2</b> Displays, Holography &amp; Projection</p> <p><b>Session Chairs:</b> R. Rapp &amp; F. Kiamilev</p>	<p><b>WC2</b> Nonlinear Organic Materials</p> <p><b>Session Chairs:</b> D. Stewart &amp; R. O'Donnell</p>	<p><b>WD2</b> Emerging Nanophotonics</p> <p><b>Session Chairs:</b> J. Schuller &amp; J. Caldwell</p>	<p>10:00am-11:30am <b>WE2</b> Two-Dimensional Materials &amp; Topological Photonics</p> <p><b>Session Chairs:</b> J. Hone &amp; T. Low</p>	<p><b>WF2</b> Materials &amp; Devices for Biosensing</p> <p><b>Session Chairs:</b> B. Wenner &amp; I. Lima</p>
12:00pm-1:00pm	<p><b>STEM Luncheon</b></p> <p><b>Session Chair:</b> Brian Mitchell, <i>Air Force Research Laboratory, Florida, USA</i></p> <p><b>Keynote Speaker:</b> Colette DeHarpporte, <i>Founder of Laser Classroom</i></p>					<i>Emerald Ballroom A/B</i>
1:00pm-3:00pm	<p><b>WA3</b> USPL Laser Filamentation</p> <p><b>Session Chairs:</b> E. Rosenthal &amp; A. Galvinuskus</p>	<p><b>WB3</b> Blast/Shock Wave Imaging &amp; Spectroscopic Techniques I</p> <p><b>Session Chairs:</b> S. Vasu &amp; B. Wilde</p>	<p><b>WC3</b> Infrared Organic Materials &amp; Properties</p> <p><b>Session Chairs:</b> J. Vella &amp; J. Azoulay</p>	<p><b>WD3</b> Emerging Materials Platforms for Plasmonics</p> <p><b>Session Chair:</b> A. Boltasseva</p>	<p><b>WE3</b> Semiconductor Materials &amp; Quantum Nanoscience</p> <p><b>Session Chairs:</b> K. Eyink &amp; P. Deotare</p>	<p><b>WF3</b> Human Analyst Augmentation</p> <p><b>Session Chairs:</b> R. McKinley &amp; A. Ephrem</p>
3:00pm – 5:00pm	<p>3:00pm-4:30pm <b>WA4</b> High Power Laser Diagnostics &amp; Applications</p> <p><b>Session Chairs:</b> A. Schmitt-Sody &amp; S. Guha</p>	<p>3:00pm-5:15pm <b>WB4</b> Blast/Shock Wave Imaging &amp; Spectroscopic Techniques II</p> <p><b>Session Chairs:</b> S. Vasu &amp; B. Wilde</p>	<p><b>WC4</b> Hybrid Organic-Inorganic Materials &amp; Devices</p> <p><b>Session Chairs:</b> C. Fuentes-Hernandez &amp; N. Glavin</p>	<p><b>WD4</b> Active Plasmonics &amp; Nanophotonics</p> <p><b>Session Chair:</b> H. Harutyunyan</p>	<p><b>WE4</b> Quantum Sensing &amp; Spintronics Session</p> <p><b>Session Chairs:</b> M. Flatte &amp; Y. Abate</p>	<p>3:00pm – 5:30pm <b>WF4</b> Human State Measurement</p> <p><b>Session Chairs:</b> S. Kim &amp; A. Raj</p>

THANK YOU FOR ATTENDING RAPID, WE LOOK FORWARD TO SEEING YOU NEXT YEAR!

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