



Basic Research Innovation Collaboration Center (BRICC)  
 4100 North Fairfax Drive, Suite 450 | Research Room  
 Arlington, VA 22203

**Agenda Day 1**  
**Tuesday, January 8, 2019**

Time	Title	Speaker
0800-0830	Registration	
0830-0900	<a href="#">The Linear Sampling Method in the Time Domain</a>	<b>David Colton</b> University of Delaware
0900-0930	<a href="#">A New Approach to Change Detection Using Sparse Bayesian Learning</a>	<b>Anne Gelb</b> Dartmouth College
0930-1000	<a href="#">Combining Data-Driven and Physics-Based Methods for EM Propagation &amp; Imaging Through Inhomogeneous Turbulent Media and During Extreme Events</a>	<b>Alex Mahalov</b> Arizona State University
1000-1030	<b>BREAK</b>	
1030-1100	<a href="#">Force &amp; Hidden Momentum for Classical Microscopic Dipoles</a>	<b>Arthur Yaghjian</b> S4, Inc
1100-1130	<a href="#">Parametric Optical Limiters</a>	<b>Alessandro Salandrino</b> University of Kansas
1130-1300	<b>LUNCH</b>	
1300-1330	<a href="#">Gratings with Preselected Plane-Wave Propagation Directions</a>	<b>Thorkild Hansen</b> S4, Inc
1330-1400	<a href="#">Development of Novel Concepts and Algorithms for Improving Imaging and Communication through Random, Discrete-Scatterer Media</a>	<b>Elizabeth Bleszynski</b> Monopole Research
1400-1430	<b>BREAK</b>	
1430-1500	Light Propagation in Photonic Structures with Phase-changing Components	<b>Ilya Vitebskiy</b> AFRL/RV
1500-1530	<a href="#">Electromagnetic Resonance Enhancement</a>	<b>Margaret Cheney</b> Colorado State University
1530	<b>ADJOURN FOR THE DAY</b>	

**Agenda Day 2**  
**Wednesday, January 9, 2019**

Time	Title	Speaker
0800-0830	<b>Registration</b>	
0830-0900	<a href="#">Propagation on Chiral Metasurfaces and Waveguides</a>	<b>Daniel Sievenpiper</b> UCSD
0900-0930	<a href="#">Imaging in Moving Random Media</a>	<b>Liliana Borcea</b> University of Michigan
0930-1000	<a href="#">Optimized Electromagnetic Devices, Pure Frequencies, Time-Domain Transients, and the Fourier Transform</a>	<b>Oscar Bruno</b> CalTech
1000-1030	<b>BREAK</b>	
1030-1100	<a href="#">Detection of Target Dispersion in SAR</a>	<b>Semyon Tsynkov</b> NCSU
1100-1130	<a href="#">Deep Learning for Radar Imaging</a>	<b>Birsen Yazici</b> RPI
1130-1300	<b>LUNCH</b>	
1300-1330	<a href="#">Numerical Computation of Wishart Eigenvalue Distributions for Multistatic Radar Detection</a>	<b>Doug Cochran</b> Arizona State University
1330-1400	<a href="#">Propagation and Scattering in Turbulent Media</a>	<b>Knut Solna</b> UC/Irvine
1400-1430	<b>BREAK</b>	
1430-1500	<a href="#">A Mathematical Framework for Optimal Sensor Placement and Dynamic Monitoring Under Cost Constraints</a>	<b>Nathan Kutz</b> University of Washington
1500-1530	<a href="#">Regularized Inversion Methods for the Enhancement of Synthetic Aperture Radar Data</a>	<b>Theresa Scarnati</b> AFRL/RV
1530	<b>ADJOURN FOR THE DAY</b>	

**Agenda Day 3**  
**Thursday, January 10, 2019**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
<b>0800-0830</b>	<b>Registration</b>	
<b>0830-0900</b>	<a href="#">Echo Removal With Focused Blind Deconvolution</a>	<b>Laurent Demanet</b> MIT
<b>0900-0930</b>	Topological Photonics in Open Systems	<b>Bo Zhen</b> University of Pennsylvania
<b>0930-1000</b>	Phase Dependent Incoherent Light	<b>Jason Fleischer</b> Princeton University
<b>1000-1030</b>	<b>BREAK</b>	
<b>1030-1100</b>	<a href="#">A Generalized Hanbury Brown-Twiss Effect and Generalized Scintillations</a>	<b>Taco Visser</b> University of Rochester
<b>1100-1130</b>	<a href="#">Empirical Wavelets: Theory and Applications</a>	<b>Jerome Gilles</b> San Diego State University
<b>1130-1300</b>	<b>LUNCH</b>	
<b>1300-1330</b>	<a href="#">Quantitative Subsurface Imaging in Strongly Scattering Media</a>	<b>Arnold Kim</b> UCal/Merced
<b>1330-1400</b>	<a href="#">Performance Bounds for Two-Channel Delay-Doppler Estimation Using Unknown Waveforms</a>	<b>Sandeep Gogineni</b> University of Dayton
<b>1400-1430</b>	<b>BREAK</b>	
<b>1430-1500</b>	<a href="#">Squeezefit: Label-Aware Dimensionality Reduction by Semidefinite Programming</a>	<b>Dustin Mixon</b> Ohio State University
<b>1500-1530</b>	<a href="#">Performance Based Metrics for Training Set Mismatches and Adaptive Interference Cancelation</a>	<b>Ram Raghavan</b> AFRL/RV
<b>1530</b>	<b>MEETING ADJOURNED</b>	