



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

Agenda Day 2 Wednesday, January 9, 2019		
Time	Title	Speaker
0800-0830	Registration	
0830-0900	Propagation on Chiral Metasurfaces and Waveguides	Daniel Sievenpiper UCSD
0900-0930	Imaging in Moving Random Media	Liliana Borcea University of Michigan
0930-1000	Optimized Electromagnetic Devices, Pure Frequencies, Time-Domain Transients, and the Fourier Transform	Oscar Bruno CalTech
1000-1030	BREAK	
1030-1100	Detection of Target Dispersion in SAR	Semyon Tsynkov NCSU
1100-1130	Deep Learning for Radar Imaging	Birsen Yazici RPI
1130-1300	LUNCH	
1300-1330	Numerical Computation of Wishart Eigenvalue Distributions for Multistatic Radar Detection	Doug Cochran Arizona State University
1330-1400	Propagation and Scattering in Turbulent Media	Knut Solna UC/Irvine
1400-1430	BREAK	
1430-1500	A Mathematical Framework for Optimal Sensor Placement and Dynamic Monitoring Under Cost Constraints	Nathan Kutz University of Washington
1500-1530	Tunable and Temporally Modulated Metasurfaces	Anthony Grbic University of Michigan
1530	ADJOURN FOR THE DAY	

Agenda Day 3 Thursday, January 10, 2019		
Time	Title	Speaker
0800-0830	Registration	
0830-0900	Echo Removal With Focused Blind Deconvolution	Laurent Demanet MIT
0900-0930	Topological Photonics in Open Systems	Bo Zhen University of Pennsylvania
0930-1000	A Generalized Hanbury Brown-Twiss Effect and Generalized Scintillations	Taco Visser University of Rochester
1000-1030	BREAK	
1030-1100	A Generalized Hanbury Brown-Twiss Effect and Generalized Scintillations	Taco Visser University of Rochester
1100-1130	Empirical Wavelets: Theory and Applications	Jerome Gilles San Diego State University
1130-1300	LUNCH	
1300-1330	Quantitative Subsurface Imaging in Strongly Scattering Media	Arnold Kim UCal/Merced
1330-1400	Performance Bounds for Two-Channel Delay-Doppler Estimation Using Unknown Waveforms	Sandeep Gogineni University of Dayton
1400-1430	BREAK	
1430-1500	Squeezefit: Label-Aware Dimensionality Reduction by Semidefinite Programming	Dustin Mixon Ohio State University
1500-1530	Performance Based Metrics for Training Set Mismatches and Adaptive Interference Cancelation	Ram Raghavan AFRL/RV
1530	MEETING ADJOURNED	