



MURI Review Meeting: PT-Symmetric Optical Materials and Structures

Dr. Arje Nachman | February 7, 2017 | Arlington, VA

Basic Research Innovation and Collaboration Center (BRICC)
4075 Wilson Blvd., Suite 350 | Liberty Room
Arlington, VA 22203

Agenda | February 7, 2018

Time	Talk Title	Speaker
0815-0845	Registration	
0845-0900	Welcome/Introduction	Dr. Arje Nachman, Air Force Office of Scientific Research
0900-0930	MURI Project Overview: Sensing using Exceptional Points in PT-symmetric Arrangements	Demetrios Christodoulides, CREOL, University of Central Florida
0930-1000	Linear and Nonlinear Non-Hermitian Photonic Devices	Ayman Abouraddy, CREOL, University of Central Florida
1000-1030	Statistical Theory of Waveform Shaping and Transmission Eigenvalues of Lossy Random Structures	Tsampikos Kottos, Wesleyan University
1030-1045	BREAK	
1045-1115	Lasing Polymer-quantum Dot Nanostructures and their Arrays	Vladimir Tsukruk, Georgia Tech
1115-1145	Stable Perovskite Nanocrystals with Precisely Controlled Dimensions, Compositions, Architectures, and High Optical Gains for PT Structures and Devices	Zhiqun Lin, Georgia Tech
1145-1200	BREAK	
1200-1230	Asymmetric Acoustic Energy Transport in Non-Hermitian Metamaterials	Ned Thomas, Rice University
1230-1300	Manifestation of PT Symmetry in Laser Action and Magnetic Devices	Valy Vardeny, University of Utah
1300	MEETING ADJOURN	