

2016 Nonlinear Optics Contractor Review

Dr. Arje Nachman | September 27, 2016 | Arlington, VA

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

Time	Title of Project	Speaker
0730-0800	Registration	
0755-0800	Welcome/Introduction	Arje Nachman Air Force Office of Scientific Research
0800-0830	Multi-TW Long Wavelength mid-IR Atmospheric Light Bullets	Jerry Moloney University of Arizona
0830-0900	Nonequilibrium Carrier Scattering Influences on Ultra-short Pulsed and CW Multi-Wavelength Semiconductor Disk Lasers	Stephan Koch Philipps University, Marburg
0900-0930	Koopman Theory for Nonlinear Optics	Nathan Kutz University of Washington
0930-1000	Unstable Electronic States and Nonlinear Optical Response of Atoms and Molecules	Miroslav Kolesik University of Arizona
1000-1030	BREAK	
1030-1100	High Frequency GaN HEMT Hot Electron Simulation and Compact Model Extraction	Matt Grupen AFRL/RV
1100-1130	Revival Resonant Scattering, Perfect Caustics and Isotropic Transport of Pseudospin-1 Particles	Ying-Cheng Lai Arizona State University
1130-1200	Strong-field Ionization of Non-metal Solids: Non-trivial Influence of Band Structure	Vitaly Gruzdev University of Missouri
1200-1330	LUNCH	
1330-1400	Nonlinear Optics with PT Symmetry	Jianke Yang University of Vermont
1400-1430	Wave Propagation Across Edges and Corners in Bounded Photonic Graphene	Mark Ablowitz University of Colorado
1430-1500	Nonlinear and Quantum Optics of Two-dimensional Materials	Alexey Belyanin Texas A&M University
1500-1530	BREAK	
1530-1600	Plasmon Dissipation in 2D Materials and Coupling between Pulsed Light and Driven Electrons	Danhong Huang AFRL/RV
1600-1630	Dynamics of a Semiconductor Laser under Optical Injection from an Ultra-stable Source	Nicholas Usechak AFRL/RV
1630-1700	Scattered thoughts (on Light, in Phase Space)	Jason Fleischer Princeton University
1700	MEETING ADJOURN	