

2021 Annual Review of Theoretical Nonlinear Optics

Dr. Arje Nachman | March 2, 2021 | Virtual

Agenda | March 2, 2021

Time	Title	Speaker
0800-0830	Zoom Login	
0830-0900	Welcome/Introduction	Arje Nachman AFOSR
0900-0930	High Intensity Long Wave Interactions in Condensed Media and Gases	Jerry Moloney University of Arizona
0930-1000	Nonlinear Optics in TMDCs and Strongly THz Driven Semiconductors	Stephan Koch University of Arizona
1000-1030	BREAK	
1030-1100	Pulsed Gate GaN HEMT Simulation: Transient Space Charge Modulated Drain Current	Matt Grupen AFRL/RV
1100-1130	Nonlinear Topological Photonic Crystals in 1D and 2D	Bo Zhen University of Pennsylvania
1130-1200	Understanding Second and Third Harmonic Generation in Exciton-plasmon Nanomaterials under Strong Coupling Conditions	Maxim Sukharev Arizona State University
1200-1330	LUNCH	
1330-1400	Peierls-Nabarro Barrier Effect in Nonlinear Floquet Topological Insulators	Mark Ablowitz University of Colorado
1400-1430	Model for the Transverse, Longitudinal and Cross Electric Susceptibility in Semiconductor Quantum Wires	Danhong Huang AFRL/RV
1430-1500	Plasma Wakes and Surface Waves: RF Generation by Filament Plasmas	Travis Garrett AFRL/RD
1500-1530	Non-Hermitian and Open Systems: Fundamentals and Applications	Miroslav Kolesik University of Arizona
1530-1600		
1600	MEETING ADJOURN	