

Joint Annual Meeting **IEEE Magnetism Society and IEEE Nanotechnology Council** **Chicago Chapters** **November 21, 2019**

Venue: NAISE, Northwestern University, 2205 Tech Drive, Suite 1-160, Evanston, Illinois 60208.

Agenda:

8:45 – 9:00 am	C. Phatak, ANL Welcome and Introductory Remarks
9:00 – 9:30 am	Elena Rozhkova, ANL “Nano-Bio Interfaces: interdisciplinary research and collaboration opportunities.”
9:30 – 10:00 am	Hooman Mohseni, NU “Integrated Nano-Optoelectronics for Real World Applications”
10:00- 10:30 am	Mark Hersam, NU “Emerging Neuromorphic Devices Based on Two-Dimensional Materials”
10:30 – 10:45 am	Coffee Break
10:45 – 11:15 am	Matthew Grayson, NU “Novel characterization techniques for 21st century electronic materials”
11:15 – 11:35 am	Reza Shahbazian-Yassar, UIC “The In situ TEM Studies of Nanomaterials in Liquid, Gas, and Electrochemical Environments”
11:35 – 12:05 pm	Invited PD, Yue Li, ANL “Tunable frustration in antiferromagnetic artificial Kagome spin ice”
12:05 – 2:00 pm	Lunch + Poster Session
2:00 – 2:20 pm	Invited PD, Yi Li, ANL “Strongly coupled magnon hybrid systems with magnetic thin films & devices”
2:20 – 2:50 pm	Invited PD, Victor Lopez Dominguez, NU “Current-controlled spin-orbit torque switching in antiferromagnetic PtMn devices”
2:50 – 3:00 pm	Coffee Break
3:00 – 3:30 pm	S. Sankaranarayanan, ANL/UIC “AI guided accelerated materials discovery”
3:30 – 4:00 pm	Josiah Hester, NU