



# Joint Annual Meeting IEEE Magnetics 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	<b>C. Phatak, ANL</b> Welcome and Introductory Remarks
9:00 – 9:30 am	<b>Elena Rozhkova, ANL</b> “Nano-Bio Interfaces: interdisciplinary research and collaboration opportunities.”
9:30 – 10:00 am	<b>Hooman Mohseni, NU</b> “Integrated Nano-Optoelectronics for Real World Applications”
10:00- 10:30 am	<b>Mark Hersam, NU</b> “Emerging Neuromorphic Devices Based on Two-Dimensional Materials”
10:30 – 10:45 am	<b>Coffee Break</b>
10:45 – 11:15 am	<b>Matthew Grayson, NU</b> “Novel characterization techniques for 21st century electronic materials”
11:15 – 11:45 am	<b>Reza Shahbazian-Yassar, UIC</b> “The In situ TEM Studies of Nanomaterials in Liquid, Gas, and Electrochemical Environments”
11:45 – 12:05 pm	<b>Invited PD, Yue Li, ANL</b> “Tunable frustration in antiferromagnetic artificial Kagome spin ice”
12:05 – 2:00 pm	<b>Lunch + Poster Session</b>
2:00 – 2:20 pm	<b>Invited PD, Yi Li, ANL</b> “Strongly coupled magnon hybrid systems with magnetic thin films & devices”
2:20 – 2:40 pm	<b>Invited PD, Victor Lopez Dominguez, NU</b> “Current-controlled spin-orbit torque switching in antiferromagnetic PtMn devices”
2:40 – 3:00 pm	<b>Coffee Break</b>
3:00 – 3:30 pm	<b>S. Sankaranarayanan, ANL/UIC</b> “AI guided accelerated materials discovery”
3:30 – 4:00 pm	<b>Josiah Hester, NU</b>

