

Joint Annual Meeting **IEEE Magnetics Society and IEEE Nanotechnology Council** **Chicago Chapters** **November 23rd, 2020**

Venue: Zoom (virtual)

Agenda:

9:15 – 9:30 am	C. Phatak/P. Khalili Welcome and Introductory Remarks
9:30 – 10:00 am	Chengkuo Lee (IEEE DL), National University of Singapore “Toward 5G based AI + IoT (AIoT) Society Enabled by NanoEnergy-NanoSystem (NENS) Technology”
10:00 – 10:30 am	Mathias Kläui (IEEE DL), University of Mainz “Antiferromagnetic Insulatronics: Spintronics without magnetic fields and moving electrons”
10:30- 11:00 am	Carmen Lilley, University of Illinois at Chicago (TBD)
11:00 – 11:30 pm	Oluwaseyi Balogun (IEEE DL), Northwestern University “Thermal Characterization of Thin Films using the Thermoreflectance and Optothermal Raman Thermometry Techniques”
11:30 – 12:00 pm	Pallab Goswami, Northwestern University “Band topology of magnetic materials beyond anomalous quantum Hall effect”
12:00 – 1:00 pm	Lunch break & poster session*
1:00 – 1:30 pm	Tim Mewes (IEEE DL), University of Alabama “Magnetization Dynamics and Damping”
1:30 – 2:00 pm	Andrei Slavin, Oakland University “Current-induced THz-frequency magnetization dynamics in antiferromagnetic crystals”
2:00 – 2:30 pm	Martin Holt, Argonne National Laboratory “Nanoscale structural and magnetic imaging through hard X-ray Bragg diffraction microscopy”
2:30 – 3:00 pm	Vinod Sangwan, Northwestern University “Atomically Thin Memtransistors and Heterojunctions for Artificial Synapses and Neuron”
3:00 – 3:30 pm	Hanu Arava, Northwestern University “Artificial Spin Ice Inspired Computation Using Nanomagnets”

*Poster section: gather.town

**Each talk is 25 mins + 5 mins Q&A.