

FRAMS Day 1

Start Time	End Time	Speaker/Event	Title	Location
8:00	9:00	Breakfast	Breakfast	Enzi Building Atrium
9:00	9:15	Intro speakers	VP of Research Bill Gern, Deputy Director of SER, and College of Arts and Science Dean Paula Lutz	Berry Center Conference Room
9:15	10:00	Barry Zink	Heat, charge, and spin flow in nanostructures for information and energy	Berry Center Conference Room
10:00	10:20	Andrew Berger	Phase-sensitive inductive detection of AC charge currents due to spin-pumping and spin-charge transduction in unpatterned Permalloy/Pt bilayers	Berry Center Conference Room
10:20	10:40	Ezio Lacrocca	Hydrodynamic vortex-antivortex ordered nucleation from an obstacle in thin film ferromagnets	Berry Center Conference Room
10:40	11:00	Break	Break	Enzi Building Atrium
11:00	11:20	Yuri Dahnovsky	d^0 -ferromagnetism in quantum dots	Berry Center Conference Room
11:20	11:40	Jinke Tang	Magnetically doped quantum dots	Berry Center Conference Room
11:40	12:00	William Rice	Determination of Exciton Magnetic Polaron Formation Energies in Magnetically Doped Colloidal Quantum Dots	Berry Center Conference Room
12:00	1:00	Lunch	Lunch	Enzi Building Atrium
1:00	1:45	Michael Schneider	Understanding the magnetic damping in metallic ferromagnets	Berry Center Conference Room
1:45	2:05	Todd Monson	γ' -Fe ₄ N, a new soft magnetic material for inductors and motors	Berry Center Conference Room
2:05	2:25	Keshab Sapkota	Magnetoresistance manipulation and sign reversal in Mn-doped ZnO nanowires	Berry Center Conference Room
2:25	2:45	Jose de la Venta	Magnetic Properties of Coupled Ferromagnet/Oxide Heterostructures	Berry Center Conference Room
2:45	3:05	Xin Fan	Designing and Tuning Magnetic Resonance with Exchange Interaction	Berry Center Conference Room
3:05	3:40	You Qiang	In-situ and ex-situ investigation on nanostructure evolution, magnetic and electrical property changes of nanomaterials under irradiation	Berry Center Conference Room
3:40	4:00	Break	Break before poster session	Enzi Building Atrium
4:00	5:30	Poster Session	Poster Session	Enzi Building Atrium
6:00	7:30	BBQ Dinner	BBQ Dinner at Train Depot; Buses to Train Depot start at ~5:15	Train Depot

FRAMS Day 2

Start Time	End Time	Speaker/Event	Title	Location
8:00	9:00	Breakfast	Breakfast	Enzi Building Atrium
9:00	9:45	Bob Camley	Self-Focusing of Spin Waves in Ferromagnets with and without DMI	Berry Center Conference Room
9:45	10:05	Karen Livesey	Domain wall solutions in nanowires with Dzyaloshinskii-Moriya interaction	Berry Center Conference Room
10:05	10:25	Harikrishnan Nair	Low dimensional quantum magnetism in a $J_{\text{eff}} = \frac{1}{2}$ honeycomb lattice of Cobalt	Berry Center Conference Room
10:25	10:45	Break	Break	Enzi Building Atrium
10:45	11:05	Nick Anderson	Why do magnetic nanoparticles form messy clumps?	Berry Center Conference Room
11:05	11:25	Thomas Searles	Magnetic Properties of Aligned, Single-Chirality Carbon Nanotube Films	Berry Center Conference Room
11:25	12:00	Erik Hároz	Probing Magnetic Susceptibility Anisotropy of Large-Diameter Metallic Carbon Nanotubes via Magnetic Linear Dichroism Spectroscopy	Berry Center Conference Room
12:00	1:00	Lunch	Lunch	Enzi Building Atrium
1:00	1:45	Mingzhong Wu	Photo-Spin-Voltaic Effect	Berry Center Conference Room
1:45	2:05	Brian Leonard	Synthesis and Magnetic Properties of bimetallic transition metal carbides	Berry Center Conference Room
2:05	2:25	Aaron Christian	Magnetic Properties of Transition-Metal Antimonates and Tantalates	Berry Center Conference Room
2:25	2:45	Tao Liu	Growth of $\text{BaFe}_{12}\text{O}_{19}$ Thin Films via Sputtering and Spin Transfer across $\text{BaFe}_{12}\text{O}_{19}/\text{Pt}$ Interfaces	Berry Center Conference Room
2:45	3:00	Break	Break	Enzi Building Atrium
3:00	4:30	Lab Tours	Lab Tours of Physics Labs (in the Physical Science building) leaving from Berry Center at 3:00	Berry Center Conference Room/Physical Sciences Building