

	Sunday June 26	Monday June 27	Tuesday June 28	Wednesday June 29	Thursday June 30	
8:50		Intro remarks Karen/Martin				
9:00		<u>Nanofabricated particles</u> Chair: Camley <b>9:00 Novosad</b> (invited) <b>9:40 Zabow</b> (invited)	<u>Miscellaneous</u> Chair: Buchanan <b>9:00 Hojem</b> <b>9:20 Venus</b> <b>9:40 Przybylski</b>	<u>Ultra-fast dynamics</u> Chair: Silva <b>9:00 Nowak</b> (invited) <b>9:40 Plötzing</b> <b>10:00 Adam</b>	<u>Novel exchange bias</u> Chair: Cortie <b>9:00 Binek</b> (invited) <b>9:40 Plumer</b> <b>10:00 Budi</b>	
10:00			10:00 Coffee			
10:20		10:20 Coffee	<u>Assembled nanoparticles</u> Chair: Mefford <b>10:20 Crawford</b> (invited) <b>11:00 Whitehead</b> <b>11:20 Van Lierop</b> (invited)	10:20 Coffee	10:20 Coffee	
10:40		<u>Nanoparticles</u> Chair: Livesey <b>10:40 Moreland</b> (invited) <b>11:20 Mefford</b> <b>11:40 Skoropata</b> <b>12:00 Rice</b>		<u>Dynamics 1</u> Chair: Iococca <b>10:40 Stamps</b> (invited) <b>11:20 Wysin</b> <b>11:40 Riley</b>	<u>Dynamics 2</u> Chair: Plumer <b>10:40 Buchanan</b> (Invited) <b>11:20 Iococca</b> <b>11:40 Lougovski</b> <b>12:00 Cortie</b>	
12:00			12:00 Lunch	12:00 Lunch 1:00 Lab tour, or Hike on the bluffs	12:00 Lunch	12:20 Concluding remarks Lunch + Farewell
12:20						
2:00	Registration opens	<u>Spin orbit torque 1</u> Chair: Venus <b>2:00 Majetich</b> (invited) <b>2:40 Wu</b> (invited)	<u>FMR to probe nanostructures</u> Chair: Fan <b>2:00 Menard</b> (invited) <b>2:40 Cottam</b> (invited)	<u>Novel expt techniques</u> Chair: Celinski <b>2:00 Silva</b> <b>2:20 Losby</b> <b>2:40 Edwards</b> <b>3:00 Burgess</b>	Lab tour/hike for those who have time	
3:00	<u>Tutorials</u> Chair: Livesey  <b>3:00 Majetich</b> Nanoparticles  <b>4:00 Stamps</b> Chirality and frustration					
3:20		3:20 Coffee + poster session A set-up	3:20 Coffee	3:20 Coffee + poster session B set-up		
3:50		<u>Spin orbit torque, damping</u> Chair: Zink <b>3:50 Victora</b> (invited) <b>4:30 Janantha</b>	3:45 Excursion Then bus to banquet dinner	<u>Spin orbit torque 2</u> Chair: Rice <b>3:50 Ross</b> (invited) <b>4:30 Evarts</b>		
5:00	Welcome reception 1 hour  Form dinner groups	<u>Poster session A &amp; Bierstube</u> Chair: Spendier  4:50-6:00		<u>Poster session B &amp; Bierstube</u> Chair: Hankiewicz  4:50-6:00		

Invited talks (15)

Binek	U Nebraska	Voltage-controlled exchange bias: A building block for ultra-low power memory and logic device applications
Buchanan	Colodaro State U	Spin waves interactions at an intersection: the role of an antivortex
Cottam	Western Ontario U	Interface coupling of spin waves in permalloy/Ru/permalloy multilayered nanowires: FMR and theory
Crawford	U South Carolina	Triggered self-assembly of magnetic nanoparticles
Majetich	Carnegie Mellon U	Conductive atomic force microscopy of magnetic tunnel junctions
Menard	Polytech. Montreal	Ferromagnetic resonance and strong coupling phenomena in arrays of ferromagnetic nanowires
Moreland	NIST	Prospects for ultra-low field magnetic imaging agents in medicine
Novosad	Argonne Nat Lab	Multifunctional ferromagnetic particles
Nowak	U Konstanz	Ultrafast laser control of magnetic materials
Ross	MIT	Electrical control of magnetization in ferrimagnetic insulator nanostructures
Stamps	U Glasgow	Dynamics of chiral spin systems: soliton lattices, defects and spin waves
van Lierop	U Manitoba	Ill-condensed matter 2: Magnetic order from disorder with nanoparticles
Victoria	U Minnesota	Theoretical Predictions of Damping in High Perpendicular Magnetic Anisotropy Materials for Nanostructured Applications
Wu	Colorado State U	Photo-Spin-Voltaic Effect
Zabow	NIST	Dynamic magnetic nanostructures as RF-addressable sensors

Contributed talks (23)

Adam	Julich	Element-selective investigation of the spin dynamics in NixPd1-x magnetic alloys in the extreme ultraviolet spectral range
Budi	U Florida	Exchange Bias in CoFe2O4-BiFeO3 Nanofibers; Examining the Role of Phase Connectivity and Composition in Materials with High Shape Anisotropy
Burgess	Max Planck Inst	Magnetic properties of Fe4 molecules compressed in the junction of a scanning tunneling microscope
Cortie	U Brit Columbia	The magnetic surface states of antiferromagnets and correlated topological insulators probed with $\beta$ -NMR
Edwards	NIST	Michelson Microwave Interferometer for Broadband Ferromagnetic Resonance Experiments
Evarts	NIST	Three-terminal spin-torque oscillator devices using MgO-based magnetic tunnel junctions
Hojem	U Denver	Anomalous Nernst effects in metallic nonlocal spin valves
Iacocca	CU Boulder	Dispersive hydrodynamics in ferromagnets
Janantha	Colodaro State U	The Roles of Damping in Spin Seebeck Effect in Yttrium Iron Garnet Thin Films
Losby	U Alberta	Torque-mixing magnetic resonance spectroscopy
Lougovski	Oak Ridge	Thermodynamic implications of spin impurities on scalability of silicon-based quantum computing
Mefford	Clemson U	Beyond Magnetite: Evaluation of Substituted Ferrites in MagMED
Nasseri	ISIF Torino	Current driven magnetic domain wall motion under the application of in-plane fields in PMA materials
Plötzing	Julich/NIST	Electron and spin dynamics during ultrafast laser-induced demagnetization in Co/Cu(001)
Plumer	Memorial U.	Monte Carlo simulations of ABC stacked kagome lattice thin films
Przybylski	Krakow	Mössbauer spectroscopy of nanostructures – theory and experiment
Rice	U Wyoming	Revealing giant internal magnetic fields due to spin fluctuations in magnetically doped colloidal nanocrystals
Riley	Colorado State U	Thermal control of spin wave propagation in Yttrium Iron Garnet (YIG) thin films
Silva	NIST	Phase-sensitive inductive detection of ac currents due to spin-pumping/inverse spin orbit torques in unpatterned Permalloy/Pt bilayers
Skoropata	U Manitoba	Core-shell nanoparticle magnetism: The impact of interfacial intermixing
Venus	McMaster U	Local vs. global manifestation of a surface phase transition
Whitehead	Memorial Univ	Micromagnetic simulations of maghemite nanoparticles in FCC arrays
Wysin	Kansas State U	Vortex dynamics and statistics in thin elliptic ferromagnetic nanodisks

Posters (25)

A1	Alghamdi	UCCS	Magnetic Metallic Alloy Structures as a Temperature Contrast Agent in Magnetic Resonance Imaging
A2	Anderson	UCCS	Why do magnetic nanoparticles agglomerate isotropically?
B0	Anderson	UCCS	Temperature dependent magnetization in bimagnetic nanoparticles with antiferromagnetic interfacial exchange
B1	Bennet	U Denver	Large spin hall angles in permalloy/gold heterostructures resulting from iron impurities
A3	Chang	Colodaro State U	Growth of high-quality Y3Fe5O12 thin films on platinum via sputtering
B2	DeJong	UCCS	Bloch versus Néel domain walls in rectangular magnetic nanowires
B3	Ding	Colorado State U	Growth of Nanometer-Thick Low-Damping Yttrium Iron Garnet Films by Sputtering
A4	Fani Sani	U Alberta	Shape and smoothness of a core-shell monocrystalline YIG microdisk inferred from FMR spectroscopy
B4	Firdous	U Alberta	Torque Magnetometry and Susceptometry using Split-Beam Optomechanical Nanocavities
B5	Goldman	UCCS	Permalloy thin film layers as coating materials for on-wafer inductors at radio and low GHz frequencies
B6	Haghshenasfard	Western U	Parallel pumping for ferromagnetic nanowires and nanotubes with circular cross sections
A5	Humphries	U Denver	Detection of thermoelectric contributions in ferromagnetic/normal-metal bilayer devices for accurate spin-orbit torque analysis
A6	Janantha	Colodaro State U	Foldover of Nonlinear Eigenmodes in Magnetic Thin Film-Based Feedback Rings
A7	Li	U Denver	Study of the rectification effect in the resonant cavity-based spin pumping technique
A8	Liu	Colodaro State U	Anomalous Anisotropic Magnetoresistance in Ultrathin Ta Films Grown on BaFe12O19
B7	Liu	Colodaro State U	Growth of BaFe12O19 Thin Films via Sputtering and Spin Transfer across BaFe12O19/Pt Interfaces
A9	Novosad	Argonne Nat Lab	Spin vortex resonance in non-planar ferromagnetic dots
A10	Omelcheko	Simon Fraser U	Study of spin transport in tantalum using magnetic single and double layers
B8	Parsons	Memorial U	Magnonic Bragg mirror based on a stack of identical bi-layered ferromagnetic nanowire segments
B9	Przybylski	Krakow	Effect of electron confinement on magnetism of nanostructures
B10	Richardson	Colorado State U	Study of Grain-to-Grain Exchange Coupling in Perpendicular Magnetic Recording Media via FMR
A11	Smith	UCCS	Using magnetic nanoparticles in a static and dynamic magnetic field to penetrate model mucus
A12	Stroud	UCCS	Heating tissue by radio-frequency for hyperthermia therapy
B11	Wesenberg	U Denver	Thermal gradients, Nernst effect, hall effect, and new limits on spin-current generation in metallic ferromagnets using suspended thermal platforms.
B12	Yarbrough	UCCS	Ferromagnetic resonance power absorption by a magnetic nanowire

Poster session (A on Monday or B on Wednesday) is indicated, as well as poster number.