

	Monday, May 11, 2015
7 am-8 am	Breakfast, Ballroom
7 am-8 am	Conference Registration, Conference Registration Desk
Session 1	8:15 am- 10:30 am, Morning, May 11, Dogwood Hall, <u>Chair Jason Locklin</u>
8:15 am	Opening Remarks, Provost Pamela Whitten
8:30 am	<u>Shouheng Sun</u> Magnetic Nanoparticles for Bioimaging and Therapeutic Applications, Brown University
9:00 am	<u>John Zhang</u> , P. Chen, E. Huang, K. Hoshino Multiscale Immunomagnetic Enrichment of Circulating Tumor Cells: from Tubes to Microchips, Dartmouth College
9:30 am	<u>Markus Wohlgenannt</u> , F. Macia, F. Wang, N. J. Harmon, M. E. Flatté, A. D. Kent Room Temperature Transduction Between Magnetic and Optical Information Utilizing Ferromagnetic Fringe-Fields and Radical Dopant, University of Iowa
10:00 am	<u>Leidong Mao</u> Ferrohydrodynamic Cell Sorting, UGA
10:30 am	Coffee break, Pecan Tree Galleria Break Area
Session 2	10:45 am- 12:45 pm, Morning, May 11, Dogwood Hall, <u>Chair Mas Crawford</u>
10:45 am	<u>André R. Studart</u> Programmable Magnetically-Assisted Assembly of Bioinspired Materials, ETH Zurich
11:15 am	<u>Konstantin Kornev</u> Magnetic Rotational Spectroscopy with Nanorods for Characterization of Rheology of Nanoliter Droplets and Sensing of NanoTesla Fields, Clemson University
11:45 am	<u>Evgeny Katz</u> Application of Magnetic Particles in Switchable Bioelectronic Systems, Clarkson University
12:15 pm	<u>Jin Xie</u> Development of MRI Contrast Agents with High T1/T2 Relaxivities, UGA
12:45-2 pm	Lunch Break, Ballroom
Session 3	2pm- 4 pm, Afternoon, May 11, Dogwood Hall, <u>Chair Leidong Mao</u>
2:00 pm	<u>Jordi Faraudo</u> Predicting the Self-Assembly of Superparamagnetic Particles, Institut de Ciència de Materials de Barcelona
2:30 pm	<u>Igor Luzinov</u> Flexible Chains of Ferromagnetic Nanoparticles, Clemson University
3:00 pm	<u>Orlin Velev</u> Magnetic Assembly and Dynamics of Metallo-Dielectric Janus Spheres, Cubes and Nanoparticles: From Colloidal Origami to Motile Microbots, NCSU
3:30 pm	<u>Yiping Zhao</u> Magnetic Nanomotors to Enhance Stroke Treatment, UGA
4:00 pm	Coffee break, Pecan Tree Galleria Break Area
Session 4	4:15 pm- 4:45 pm, Afternoon, May 11, Dogwood Hall, <u>Chair Dave Salac</u>
4:15 pm	<u>Vladimir Tsukruk</u> , R. Geryak, J. Geldmeier Magnetically Tunable Gold Nanorods: Giant Plasmonic Shifts and Transport, Georgia Tech.
4:45 pm	<u>Randall M. Erb</u> 3D Magnetic Printing to Microstructure Composites, Northeastern University
5:15 pm	<u>Sergiy Minko</u> Remotely Controlled Stimuli-Responsive Soft Matter, UGA
5:45 pm	<u>Ian M Griffiths</u> , A. Tokarev, O. Trotsenko, H. A. Stone, S. Minko Magnetospinning of Micro and Nanofibres, Oxford U., Princeton U., UGA
6:30 pm	Transportation to Botanical Garden
7:00pm	Dinner, Botanical Garden

	Tuesday, May 12, 2015
Breakfast 7 am-8:30 am	Ballroom
Session 5	8:30 am- 10:30 am, Morning, May 12, Dogwood Hall, <u>Chair Tho Nguen</u>
8:30 am	<u>Haim Bau</u> , Magneto-hydrodynamics in Electrolyte Solutions, University of Pennsylvania
9:00 am	<u>Dave Salac</u> , E. M. Kolahe Douz, P. Gera, Vesicles: Influence of external electric and magnetic fields, University at Buffalo-SUNY
9:30 am	<u>Kuldip Raj</u> , Ferrofluid properties and applications, Ferrotec
10:00 am	<u>Benjamin Yellen</u> Magnetophoretic Circuits for Single Cell Analysis, Duke University
10:30 am	Coffee break, Pecan Tree Galleria Break Area
Session 6	10:45 am- 12:45 pm, Morning, May 12, Dogwood Hall, <u>Chair Ian M Griffiths</u>
10:45 am	<u>Markus Zahn</u> Hele-Shaw Ferrohydrodynamics for Rotating and Axial Magnetic Fields, Massachusetts Institute of Technology
11:15 am	<u>Xiangchun Xuan</u> Diamagnetic particle manipulation in ferrofluid microflows, Clemson University
11:45 am	<u>Andrejs Cebers</u> Soft Matter in Electromagnetic Fields as Active Matter, University of Latvia
12:15 pm	<u>Tho Nguyen</u> Spin injection and transport in organic spin valves, UGA
12:45-2 pm	Lunch Break, Ballroom
Session 7	2pm- 4 pm, Afternoon, May 12, Dogwood Hall, <u>Chair Jin Xie</u>
2:00 pm	<u>Thompson Mefford</u> Synthesis of a Polymer-Magnetic Particle Platform for "Tailored" Multimodal Materials for Imaging and Treatment, Clemson University
2:30 pm	<u>Hui Mao</u> Probing enhanced tumor delivery with contrast switchable ultrafine magnetic nanoparticles, Emory University
3:00 pm	<u>Huong Phan</u> Tunable Exchange Bias in Magnetic Nanostructures for Spintronics, University of South Florida
3:30 pm	<u>Qun Zhao</u> In vivo tracking and quantification of stem cells labeled with iron oxide nanoparticles, UGA
4:00 pm	Coffee break, Pecan Tree Galleria Break Area
Session 8	4:15 pm- 4:45 pm, Afternoon, May 12, Dogwood Hall, <u>Chair Randall M. Erb</u>
4:15 pm	<u>Gennady Friedman</u> Identification of magnetic nanoparticle aggregate parameters from susceptibility and relaxation measurements, Drexel University
4:45 pm	<u>Carlos Rinaldi</u> Nanoscale Thermal Phenomena Near the Surface of Magnetic Nanoparticles in Alternating Magnetic Fields, University of Florida
5:15 pm	<u>Mas Crawford</u> Real-Time Monitoring of Magnetic Field-Directed Self-Assembly Using Magnetically Recorded Nanotemplates, University of South Carolina
5:45 pm	<u>Ashutosh Tiwari</u> Atomically thin MoS ₂ : A Versatile Non-Graphene 2D material, University of Utah
6:30 pm	Poster Session and Reception, Pecan Tree Galleria