

**1st International Workshop on Magnetism, Hysteresis, and the FORC Method**  
**Buehler Alumni Center, University of California - Davis, April 25-27, 2003**  
<http://forc.ucdavis.edu>

<b>Time Slot</b>	<b>Speaker</b>	<b>Affiliation</b>	<b>Title</b>	
<b>April 25</b>				
<b>Friday AM</b>	9:00-9:10	Barry Klein	University of California - Davis	Welcome
<b>Part One</b>	9:10-9:35	Kenneth Verosub	University of California - Davis	An Introduction to the FORC Method
	9:35-10:00	Christopher Pike	University of California - Davis	Current Topics in FORC Research
	10:00-10:30	Kai Liu	University of California - Davis	Magnetization Reversal in FM/AF Exchange Biased and FM/FM Spring Magnet Films
	10:30-10:45	Discussion		
	10:45-11:00	Coffee Break		
<b>Friday AM</b>	11:00-11:30	Edward Della Torre	George Washington University	Thermal Magnetic Aftereffect: The Preisach-Arrhenius Model
<b>Part Two</b>	11:30-12:00	Helmut Katzgraber	ETH-Zurich, Switzerland	Fingerprinting Hysteretic Systems: A Numerical Approach
	12:00-12:30	David Landau	University of Georgia	A New Approach to Monte Carlo Methods in Statistical Physics
	12:30-12:45	Discussion		
	12:45-1:30	Lunch		
<b>Friday PM</b>	1:30-2:00	Andrew Roberts	Southampton Oceanography Center, UK	Geological Applications of FORC Diagrams
<b>Part One</b>	2:00-2:15	Florian Wehland	Tuebingen University, Germany	FORC Diagrams in Pyrrhotite-Bearing Samples and Partial Self-Reversing Volcanics
	2:15-2:30	Josh Feinberg/Gary Scott	University of California - Berkeley	Anisotropy of Hysteresis in Samples with Crystallographically Oriented Magnetite Inclusions
	2:30-2:45	Discussion		
	2:45-3:00	Coffee Break		
<b>Friday PM</b>	3:00-3:30	Karin Dahmen	University of Illinois	Barkhausen Noise, Subloops, Demagnetization Curves, and Universal Scaling Tuning Disorder, Field Sweep Rate, and History
<b>Part Two</b>	3:30-4:00	Gary Friedman	Drexel University	Onset of Reptations and Critical Behavior in Disordered Systems with Cooperative and Competitive Interactions
	4:00-4:15	Discussion		
	4:15-5:00	Lab Tour		
	5:00-7:00	Happy Hour	Hallmark Inn: 110 F St, 530-753-3600	
	7:00-9:00	Dinner	Soga's: 217 E St, 530-757-1733	

**April 26**

<b>Saturday AM</b>	8:30-9:00	Ivan K. Schuller	University of California - San Diego	Nanostructures and the Proximity Effect
<b>Part One</b>	9:00-9:30	Chia-Ling Chien	The Johns Hopkins University	Spin-Torque Effects in a Single Ferromagnetic Layer
	9:30-10:00	Mike McElfresh	Lawrence Livermore National Laboratory	Magnetic Membranes
	10:00-10:15	Discussion		
	10:15-10:30	Coffee Break		

<b>Saturday AM Part Two</b>	10:30-11:00	Thomas Thomson & Bruce Terris	Hitachi San Jose Research Center	Magnetization Reversal in nm-Scale Magnetic Islands for High Density Recording
	11:00-11:30	Andreas Berger	Hitachi Global Storage Technologies	Magnetic Hysteresis Loop Tuning in Antiferromagnetically Coupled (AFC) Bi-Layers
	11:30-12:00	Xiaowei Wu & Dieter Weller	Seagate Technologies	Switching Field Distribution in Perpendicular Media
	12:00-12:15	Discussion		
	12:15-1:00	Lunch		
<b>Saturday PM Part One</b>	1:00-1:30	Claire Carvallo	Univerisity of Toronto, Canada	Testing Some Predicted Properties of FORC Diagrams: Micromagnetic Modeling and Measurements
	1:30-2:00	Adrian Muxworthy	University of Edinburgh, UK	Micromagnetic Modeling of Magnetostatic Interactions: Hysteresis and FORC Diagrams
	2:00-2:30	Alexandre Stancu	Alexandru Iaon Cuza University, Romania	Micromagnetic and Phenomenological Modeling of FORC Diagrams
	2:30-2:45	Discussion		
	2:45-3:00	Coffee Break		
<b>Saturday PM Part Two</b>	3:00-3:30	Mark Novotny	Mississippi State University	Finite Temperature Effects in Hysteresis
	3:30-4:00	Jimmy Zhu	Carnegie Mellon University	Magnetization Reversal Dynamics and Energy Damping
	4:00-4:30	Leonard Spinu	University of New Orleans	FORC Method and Identification of Preisach-Néel Type Models for Magnetic Nanoparticle Systems
	4:30-4:45	Discussion		
	5:00-7:00	Happy Hour	Hallmark Inn: 110 F St, 530-753-3600	
	7:00PM	Dinner (on your own)		

## April 27

<b>Sunday AM Part One</b>	8:30-9:00	Per Norblad	Uppsala University, Sweden	Field Dependence of the Magnetization Dynamics in Spin Glasses and Magnetic Nanoparticle Systems
	9:00-9:30	David Belanger	University of California - Santa Cruz	Hysteresis Near the Random-Field Ising Phase Transition
	9:30-10:00	Greg Kenning	University of California - Riverside	FORC Diagrams in Spinglasses: The Role of Anisotropy
	10:00-10:15	Discussion		
	10:15-10:30	Coffee Break		
<b>Sunday AM Part Two</b>	10:30-11:00	Michael Winkelhofer	Southampton Oceanography Center, UK	New Matlab Program to Produce Forc Diagrams
	11:00-11:30	Tom Mullender	University of Utrecht, Netherlands	Do FORC Data Relate to Existing Remanence Measurements?
	11:30-11:45	Minoru Funaki	National Institute of Polar Research, Japan	Temperature Dependence of Hysteresis Parameters for Meteorites
	11:45-12:00	John Peck	University of Akron	Lake Bosumtwi Sediment Hysteresis Measurements as a Proxy for West African Paleoclimate Variation.
	12:00-12:15	Alain Mazaud	Laboratoire des Sciences du Climat et de l'Environnement, France	Rock-Magnetic and Environmental Changes Retrieved from Marine Cores
	12:15-12:30	Discussion		
	12:30-1:30	Lunch		
	1:30-4:30			Hands-on FORC Workshop