2001 Invited Abstract List Magnetic Interfaces and Nanostructures

MI+EL-MoM1  Invited Paper
"High Speed 256k Magnetoresistive RAM”
S. Tehrani, Motorola Corporate

MI+EL-MoM4  Invited Paper
"Spin Dependent Tunneling Devices for Nonvolatile Latch Memory”
M. Tondra, D. Wang, D.J. Brownell, Z. Qian, C. Nordman, J. Daughton, NVE Corp.

MI+NS-MoA3  Invited Paper
"Torques and Tunneling in Nanomagnets”

MI+NS-MoA7  Invited Paper
“Invited Paper”
A.D. Kent, New York University

MI+EL-TuM1  Invited Paper
"Noise-Derived Anisotropy Energy Distributions of Cobalt Nanoparticle Films”
S.I. Woods, R.H. Koch, S. Sun, J. Kirtley, IBM T.J. Watson Research Center

MI+EL-TuM5  Invited Paper
"In-situ Characterization of Spin-dependent Scattering Mechanisms in GMR Spin Valves”
W.E. Bailey, S.E. Russek, NIST, Boulder

MI+EL-TuM7  Invited Paper
"Highly Spin-Polarized Materials”
C.L. Chien, Johns Hopkins University

MI+EL-TuA1  Invited Paper
"III-V Based Epitaxial Magnetic Heterostructures: Large Tunneling Magneto-Resistance”
M. Tanaka, University of Tokyo, Japan

MI+EL-TuA7  Invited Paper
"Recent Developments in Spin Electronics”
A. Fert, Université Paris-Sud, France

EL+MI-WeM1  Invited Paper
"Tailoring Spin Ordering in Magnetic Semiconductors”
T. Dietl, Polish Academy of Sciences, Poland

MR+MI+AS+SE-WeM1  Invited Paper
"Nanotribology of Simple and Complex Fluids at Aqueous Interfaces”
S. Granick, University of Illinois, Urbana

MR+MI+AS+SE-WeM3  Invited Paper
"The Ever Changing Disk Drive Environment: Can Filter Technology Keep Pace?”
A.J. Dallas, J. Joriman, L. Ding, D. Arends, S.B. Miller, III, Donaldson Co., Inc.

MR+MI+AS+SE-WeM6  Invited Paper
"Tribological Implications of the Confinement in PFPE Boundary Lubricant Films”
G.W. Tyndall, IBM Almaden Research Center

MR+MI+AS+SE-WeM10  Invited Paper
"Ramp Materials Challenges with Load/Unload Technology”
B. Hiller, Maxtor Corporation

MR+AS+SE-WeA3  Invited Paper
“Future Directions in Magnetic Storage Technology”
M.H. Kryder, Seagate Research
MR+AS+SE-WeA5 Invited Paper
"Antiferromagnetically-Coupled Magnetic Media Layers for Thermally-Stable High-Density Recording”
E.E. Fullerton, D.T. Margulies, M. Schabes, IBM Almaden Research Center, M.F. Doerner, IBM Storage Technology Division
MR+AS+SE-WeA8 Invited Paper
"Magnetic Nanoparticles and Nanoparticle Assemblies”
S. Sun, IBM Research
MI+NS-ThM1 Invited Paper
"Measurement of Spin Polarization using Andreev Reflection”
R.J. Soulen, M.S. Osofsky, G. Trotter, Naval Research Laboratory
MI+NS-ThM3 Invited Paper
"Point Contact Spectroscopy in Magnetic Fields”
M. Tsoi, IBM Almaden Research Center
MI+NS-ThM6 Invited Paper
"Soft X-ray Microscopy to Image Magnetic Domain Structures at High Resolution”
G. Schuetz, Universitat Wurzburg, Germany, P. Fischer, MPI-MF, Germany
MI+NS-ThM10 Invited Paper
"Imaging Magnetic Nanostructures by Spin-Polarized Scanning Tunneling Microscopy”
M. Bode, A. Kubetzka, O. Pietzsch, M. Kleiber, R Ravlic, R. Wiesendanger, University of Hamburg, Germany
MI+TF-ThA1 Invited Paper
"John Thornton Award Lecture - Magnetic Multilayers: Past, Present and Future”
S.D. Bader, Argonne National Laboratory
MI+TF-ThA5 Invited Paper
"Magnetic Reversal of Exchange-coupled Co/Pt Multilayers Probed by Resonant Soft X-ray Scattering”
O. Hellwig, S. Maat, E.E. Fullerton, IBM Almaden Research Center, J.B. Kortright, Lawrence Berkeley National Laboratory
MI+SS-FrM1 Invited Paper
"Novel Spin Structures in Fe3O4/CoO and Fe3O4/NiO Superlattices”
MI+SS-FrM4 Invited Paper
"Mesoscopic Magnetic Structures Grown by Self-organization”
J. Kirschner, Max-Planck-Institut fuer Mikrostrukturphysik, Germany