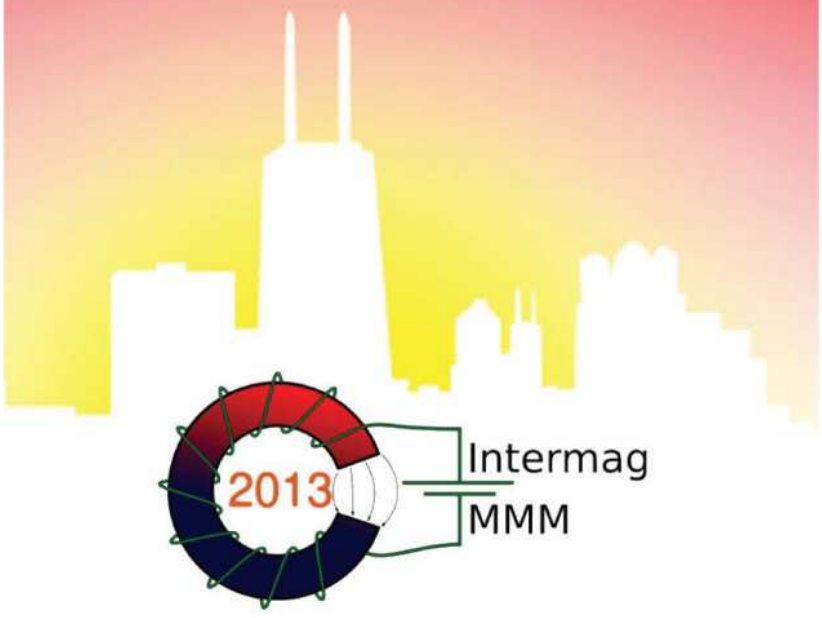
12TH JOINT MMM–INTERMAG CONFERENCE

January 14–18, 2013

Chicago, Illinois, USA



BP-09. Micromagnetic analysis of size effects in the switching of synthetic antiferromagnets. *L. Stoleriu*[1], C. Pinzaru[1] and A. Stancu[1] *1. Department of Physics, Al. I. Cuza University, Iasi, Romania*

BP-10. Magnetic properties in multisegmented cylindrical systems with alternating magnetic wires and tubes. *D. Salazar-Aravena*[1], R. Corona[1], J. Escrig[1], V. Gutknecht[2], V. Roscher[2], J. Bachmann[2], D. Goerlitz[2] and K. Nielsch[2] *1. Departamento de Física, Universidad de Santiago de Chile, Santiago, Chile; 2. Institute of Applied Physics, University of Hamburg, Hamburg, Germany*

BP-11. Magnonic Spectra in Defective $Ni_{80}Fe_{20}$ Antidot Lattices with Varying Lattice Constants. R. Mandal[1], D. Kumar[1], B. Rana[1] and *A. Barman*[1] *1. Department of Condensed Matter Physics and Material Sciences, S. N. Bose National Centre for Basic Sciences, Kolkata, West Bengal, India*

BP-12. Laser pulse heating and thermal stresses in magnetic nanowires. *A. Iordana*[1], D. Ioan[1] and S. Alexandru[1] *1. Department of Physics, Alexandru Ioan Cuza, Iasi, Romania*

BP-13. Simulated magnetic and magnetotransport behavior of nanoscale MgO tunnel junctions. *A.V. Silva*[1], D.C. Leitã o[1], R. Ferreira[2], S. Cardoso[1] and P.P. Freitas[1] *1. INESC-MN, Lisboa, Portugal; 2. International Iberian Nanotechnology Laboratory, Braga, Portugal*

BP-14. Spin-waves excitation in ferromagnetic nanowire. G. Finocchio[1], *A. Giordano*[1], R. Zivieri[3], M. Carpentieri[2] and B. Azzerboni[1] *1. University of Messina, Messina, Italy; 2. Politecnico of Bari, Bari, Italy; 3. University of Ferrara, Ferrara, Italy*

BP-15. Vortex states of Dipolar coupled nanodisks. A.L. Dantas[1], A.S. Carriç o[3], *I.S. Queiroz Jr*[2], G.O. Rebouç as[2], M.G. Dias[3] and T.R. Moura[3] *1. Departamento de Física, UERN, Natal, RN, Brazil; 2. Department of Physics, UFERSA, Mossoro, RN, Brazil; 3. Department of Physics, UFRN, Natal, RN, Brazil*

BP-16. Reconstruction of size distribution curve for magnetic particles in ferrofluids by Bayesian method with NPE and Shapiro-Wilk test. G. Lei[1], *J. Zhu*[1] and Y. Guo[1] *1. University of Technology, Sydney, Sydney, NSW, Australia*

TUESDAY AFTERNOON 2:30 **RIVERSIDE CENTER**

Session BQ
MAGNETIC PROPERTIES AND PERPENDICULAR ANISOTROPY IN THIN FILMS AND MULTILAYERS (POSTER SESSION)

Takayuki Nozaki, Co-Chair
Theodore Monchesky, Co-Chair

BQ-01. Brillouin light scattering investigation of the spin waves in perpendicularly magnetized Co/Ni multilayers. *G. Gubbiotti*[1], G. Carlotti[2], S. Tacchi[2], M. Madami[2], T. Ono[3], T. Koyama[3], D. Chiba[3], F. Casoli[4] and M. Pini[5] *1. Dipartimento di Fisica, CNR-IOM, Perugia, Italy; 2. Dipartimento di Fisica, CNISM-Unità di Perugia, Perugia, Italy; 3. Laboratory of Nano Spintronics, Division of Materials Chemistry, Institute for Chemical Research, Kyoto, Japan; 4. CNR-IMEM, Parma, Italy; 5. CNR-ISC, Sesto Fiorentino-Firenze, Italy*

BQ-02. Controlling magnetic anisotropy Co/Ni multilayers. *M. Arora*[1], T. Mckinnon[1], F. Rashidi[1], E. Girt[1] and B. Heinrich[1] *1. Physics, Simon Fraser University, Burnaby, BC, Canada*

BQ-03. Magnetic anisotropy and thermal stability study of perpendicular Co/Ni multilayers. G. Wang[1], Z. Zhang[1], B. Ma[1] and *Q. Jin*[1,2] *1. Optical Science and Engineering, Fudan University, Shanghai, Shanghai, China; 2. Physics, East China Normal University, Shanghai, Shanghai, China*

BQ-04. Field annealing effect on Co/Ni multilayer thin films for domain wall motion. *E. Yang*[1], V.M. Sokalski[1], M. Moneck[1] and J. Zhu[1] *1. Carnegie Mellon University, Pittsburgh, PA*

BQ-05. Effect of Exchange Break Layer on Co/Pd Exchange Spring Magnetic Multilayer. *C. Barton*[1] and T. Thomson[1] *1. School of Computer Science, University of Manchester,Oxford Road, Manchester, M13 9PL, Lancs, United Kingdom*

BQ-06. Ultra-thin Co/Pd Multilayers Compatible with High-Temperature Thermal Cycles. *M. Gottwald*[1], K. Lee[2], J. Langer[3], B. Oecker[3], S.H. Kang[2] and E.E. Fullerton[1] *1. Center for Magnetic Recording Research, University of California San Diego, La Jolla, CA; 2. Advanced Technology, Qualcomm Incorporated, San Diego, CA; 3. Singulus AG, Kahl am Main, Germany*

BQ-07. Tunable temperature dependent nucleation field in perpendicular exchange spring typed magnetic tunnel junctions. *W. Yi*[1], D.. Le Roy[2], J. Jiang[1], H.X. Wei[1], S.H. Liou[2] and X.F. Han[1] *1. Beijing National Laboratory for Condensed Matter Physics, Institute of Physics, Chinese Academy of Sciences, Beijing, China; 2. Department of Physics and Astronomy, Nebraska Center for Materials and Nanoscience, University of Nebraska-Lincoln, Lincoln, NE*