

Session B2 - Basic problems, magn. processes, domain studies, micromagnetics II  
*Tuesday, September 8*

- B2-01** Domain structure in (NiFe / Au / Co / Au) 10 multilayers with perpendicular anisotropy of Co layers  
*B. Szymański, M. Urbaniak, P. Mazalski, F. Stobiecki, A. Maziewski, S. Pizzini, F. Maccherozzi*
- B2-02** Current-induced domain wall motion in a soft-magnetic trilayer structure  
*Erhard Kisker, Christian Schiefer*
- B2-03** Theoretical model of the plastic deformation in amorphous ribbons locally current annealed  
*Carlos Moron, Puerto Ramirez, Fernando J. Maganto, Enrique Tremps, Alfonso Garcia*
- B2-04** Observation of a transition from inverse-spin-switch to spin-switch behaviour in domain state of a Py/Nb/Py trilayer  
*Tae-Jong Hwang, Dong-Ho Kim, Sangjun Oh*
- B2-05** Magnetic and magnetotransport properties depending on the structure for the Nd-Ba-ordered manganites  
*S.V. Trukhanov, A.V. Trukhanov, L.S. Lobanovski, H. Szymczak*
- B2-06** Evaluation of Barkhausen noise and magnetoacoustic emission signals properties for plastically deformed Armco iron  
*L. Piotrowski, B. Augustyniak, M. Chmielewski, K. Kosmas, E. Hristoforou*
- B2-07** Analysis of field-induced asymmetric switching in nanopillar devices  
*Paolo Bortolotti, Michaela Kuepferling, Massimo Pasquale*
- B2-08** Numerical analysis of the influence of geometry and temperature on switching processes in magnetic nanostrips  
*A. Manzin, B. Van de Wiele, O. Bottauscio, L. Dupré, F. Olyslager*
- B2-09** A study of scaling relations in frequency-dependent minor hysteresis loops  
*Satoru Kobayashi, Hiroyuki Okazaki, Seiki Takahashi, Hiroaki Kikuchi, Yasuhiro Kamada*
- B2-10** Inner-core magnetization in glass-coated Co-rich Fe-Co amorphous microwires investigated by ferromagnetic resonance  
*R. Valenzuela, G. Alvarez, H. Montiel, M.P. Gutierrez, R. Zamorano*

- B2-11** New approach in modelling magnetic microstructure and magnetization reversal  
*Andrey Izotov, Boris Belyaev, Andrey Leksikov*
- B2-12** Estimation of the effects of microscopic misalignments on the magnetization process in thin films by energetic modeling  
*Peter Haumer, Paul L. Fulmek*
- B2-13** Application of Takacs model to dynamic hysteresis loops of amorphous and classic magnetic materials  
*Ivana Nová, Ivan Zemánek*
- B2-14** Spin-wave normal mode activation in magnetic nano-pillars with elliptical cross section  
*Federico Montoncello, Loris Giovannini, Fabrizio Nizzoli, Giancarlo Consolo, Gianluca Gubbiotti*
- B2-15** A study on the magnetic properties of Al-doped sulphur spinel  
*Chin Mo Kim, Sam Jin Kim, Chul Sung Kim*
- B2-16** Magnetisation rate dependence of the Barkhausen noise in JRQ steels  
*András Bükki-Deme, István A. Szabó*
- B2-17** Dependence of magnetization dynamics on anisotropy in thin films driven by spin-polarized currents  
*Roberto Bonin*
- B2-18** About correlation between MAE field dependence and permeability and magnetostriction  
*Boleslaw Augustyniak, Leszek Piotrowski, Marek Chmielewski, Martin J. Sablik, V. V. Volkov*
- B2-19** Spectral micromagnetic approach in the analysis of magnetization reversal processes  
*M. d'Aquino, C. Serpico*
- B2-20** FMR study of the magnetic anisotropy in Fe<sub>50</sub>Rh<sub>50</sub> core/shell nanoparticles  
*Anna Semisalova, Nikolai Perov, Diana Ciuculescu, Catherine Amiens, Bruno Chaudret, Ralf Meckenstock, Jürgen Lindner, Michael Farle*
- B2-21** Domain wall dynamics in thin magnetic strips with disorder  
*Lasse Laurson, Adil M. Mughal, Gianfranco Durin, Claudio Serpico, Stefano Zapperi*

- B2-22** Magnetic nanodots: hysteresis loops and vortex core calculations  
*J. Mejía-López, D. Atbir, J. Escrig, P. Landeros, A. H. Romero*
- B2-23** Statistical properties of Barkhausen noise in FeSiB films  
*Felipe Bohn, Marcio A. Corrêa, Alexandre D. C. Viegas, Luiz F. Schelp, Gianfranco Durin, Rubem L. Sommer*
- B2-24** The methodology of magnetic materials classification  
*A. Wac-Wlodarczyk, R. Goleman, T. Gizewski*
- B2-25** Influence of noise temporal correlation on magnetization spectra and thermal relaxations in soft magnetic materials  
*P. Andrei, M. Dimian, A. Adedoyin, A. Gîndulescu*
- B2-26** Limiting conditions on the influence of grain size on coercive field of soft magnetic materials  
*F. J. G. Landgraf, J. R. F. Silveira, D. Rodrigues-Jr.*
- B2-27** Influence of uniaxial stress on the magnetic and magnetostrictive behavior of iron-silicon single crystals  
*Karl-Joseph Rizzo, Olivier Hubert, Laurent Daniel*
- B2-28** Electronic structure and temperature dependence of a linear size of the homogeneous magnetic short-range-ordered regions in disordered B.C.C. - Fe<sub>0.5</sub>Co<sub>0.5</sub> alloy  
*Iryna M. Melnyk, Valentyn A. Tatarenko, Stanislav P. Repetsky, Evgen G. Len'*
- B2-29** Temperature dependent measurements of hysteresis properties on soft magnetic materials  
*N. Mehboob, R. Grössinger, P. Oser, P. Fulmek, M. Kriegisch, I. Tomas*