

## Session D3 - Fe-Ni, Fe-Co, amorphous and nanocrystalline alloys III

Wednesday, September 9

- D3-01** Influence of ribbon width and annealing conditions on giant magneto-impedance effect in Co-based amorphous ribbons  
*Asli A. Taysioglu, Ahmet Peksoz, Naim Derebasi, Gokay Kaynak*
- D3-02** Phase analysis of nanocrystalline alloys  
*István Meszaros, Lajos K. Varga*
- D3-03** Magnetic transactions in Hitperm-type Fe-Ni-Nb-B system  
*Peter Švec, Marcel Miglierini, Július Dekan, Jana Turčanová, Gabriel Vlasák, Ivan Škorvánek, Dušan Janičkovič, Peter Švec-Sr.*
- D3-04** Modelling hysteresis loops of  $\text{Fe}_{73.5}\text{Cu}_1\text{Nb}_3\text{Si}_{15.5}\text{B}_7$  nanocrystalline  
*M. Cuneyt Haciismailoglu, Naim Derebasi*
- D3-05** Melt-spun Fe-Co-B-Cu alloys with high magnetic flux density for relax-type magnetometers  
*Alexius Klinda, Jozef Marcin, Peter Švec-Jr., Dušan Praslička, Josef Blažek, Jozef Kováč, Peter Švec-Sr., Ivan Škorvánek*
- D3-06** Localisation effects in Fe based amorphous alloys doped by 3d- and 4d-elements  
*Mykhailo P. Semenko, Anton V. Nosenko, Mykola I. Zakharenko*
- D3-07** Thermal and soft magnetic properties of bulk amorphous  $\text{Fe}_{36}\text{Co}_{36}\text{B}_{19.2}\text{Si}_{4.8}\text{X}_4$  (X=Nb or  $\text{Mo}_{0.5}\text{W}_{0.5}$ ) alloys by centrifugal casting  
*Ilker Kucuk, Muratahan Aykol, Mehmet Yildirim, M. Vedat Akdeniz, Amdulla O. Mekhrabov*
- D3-08** Minor loop scaling rules for finemet type nanocrystalline cores  
*Lajos K. Varga, György Kovács, Jenő Takács*
- D3-09** Study of ferromagnetic FeNi nanowires embedded in anodic aluminium oxide (AAO) templates  
*Sang-Geun Cho, Bongyoung Yoo, Ki Hyeon Kim, Jongryoul Kim*
- D3-10** Ferromagnetic resonance peculiarities in nanocrystalline cobalt films  
*Boris Belyaev, Andrey Izotov, Simeon Kiparisov*
- D3-11** The structure characterization, thermal stability and magnetic properties of Fe-Co-B-Si-Nb bulk amorphous alloys  
*Sabina Lesz, Rafał Babilas, Marcin Nabiałek, Ryszard Nowosielski*

- D3-12** Crystallization and magnetic cluster formation in of  $\text{Fe}_{80-x}\text{Mo}_x\text{Si}_6\text{B}_{14}$  metallic glasses  
*A. V. Nosenko, M. G. Babich, M. P. Semenko, O. I. Nakonechna, M. I. Zakharenko*
- D3-13** Effect of field annealing on the magnetic behaviour of Co-rich nanocrystalline ribbons  
*Jozef Marcin, Jana Turčanová, Ján Hanko, Dušan Janičkovič, Peter Švec, Ivan Škorvánek*
- D3-14** Tailoring of hysteresis loop shape in magnetostatically-coupled microwires  
*Valeria Samsonova, Mikhail Ipatov, Maxim Ilyn, Valentina Zhukova, Nikolay Perov, Arcady Zhukov*
- D3-15** Production and characterization of electrodeposited Fe-Cu films  
*Ali Karpuz, Mursel Alper, Hakan Kockar*
- D3-16** The influence of the wet-milling process on the magnetic properties of the Supermalloy magnetic nanocrystalline powders  
*Bogdan Neamțu, Olivier Isnard, Ionel Chicinaș, Viorel Pop*
- D3-17** Microstructure, low field magnetic properties and magnetocaloric effect in bulk amorphous  $\text{Fe}_{60}\text{Co}_{(5+x)}\text{Zr}_{(8-x)}\text{Mo}_5\text{W}_2\text{B}_{20}$  ( $x = 0$  or  $5$ ) alloys  
*J. Olszewski, M. Nabiątek, J. Zbroszczyk, M. Dośpiał, M. Hasiak, T. Mydlarz, J. Kaleta, J. Gondro, W. Ciurzyńska, J. Świerczek*
- D3-18** Kerr effect study of domain nucleation and domain wall motion in amorphous microwires  
*A. Chizhik, A. Zhukov, J.M. Blanco, J. Gonzalez*
- D3-19** Nonlinear magnetoimpedance in field- and stress-annealed amorphous ribbons  
*Luděk Kraus*
- D3-20** Tensile stress influence on the ferromagnetic resonance in amorphous microwires  
*V. Raposo, G. Infante, M. Zazo, J. Iñiguez*
- D3-21** Thermal evolution of  $\text{Fe}_{73.5}\text{Si}_{13.5}\text{B}_9\text{Nb}_{3-x}\text{Mo}_x\text{Cu}_1$  ribbons  
*Josefina M Silveyra, Victoria J Cremaschi, Diego F Coral, Andrés Rosales-Rivera, Dušan Janikovic, Peter Švec*
- D3-22** Interface phenomena and magnetic properties of Fe/Cr multilayers  
*Roberta Ciprian, Massimo Carbuicchio, Giuseppe Palombarini*