

WEDNESDAY

REGISTRATION (18:00)

WELCOME PARTY (20:00)

THURSDAY

REGISTRATION (08:30)

OPENING SESSION (09:00 - 09:30) CHAIR: Manuel VAZQUEZ

ORAL PRESENTATIONS

Session 1 (09:30 - 11:00) **Microwire & Wire**
CHAIR: Manuel VAZQUEZ

TPL1.1 **Ferromagnetic resonance in very thin wires (from micro- to nanowires)**
Kraus L., Infante G., Frait Z. and Vazquez M.

TI1.1 **Surface magnetization reversal and magnetic domain structure in amorphous microwires**
Gonzalez J., Chizhik A., Stupakiewicz A., Maziewski A., Zhukov A., Blanco J. M.

TO1.1 **Transformation of surface magnetic domain structure in amorphous microwires**
Chizhik A., Stupakiewicz A., Maziewski A., Zhukov A., Gonzalez J., Blanco J. M.

Session 2 (11:30 - 13:00) **Microwire & Wire**
CHAIR: Masahiro YAMAGUCHI

TI2.1 **Ferromagnetic microwires and their multifunctional polymer composites**
Qin F. X., Peng H. X., Phan M. H., Panina L. V., Meydan T., Ipatov M., Zhukov A.

TI2.2 **Anomalous effects in the domain wall dynamics in magnetic microwires**
Varga R., Kornel R., Infante G. And Vazquez M.

TO2.1 **Magnetic field influence on magnetization dependence of temperature in $\text{Cu}_{56}\text{Ga}_{28}\text{Mn}_{16}$ annealed microwires**
García C., Ross C., Vega V., Santos D., Prida V., Suñol J. and Hernando B.

TO2.2 **Microwave behavior of CoFe-based single and multilayer magnetic microwires**
El Kammouni R., Infante G., Torrejón J., Brigui J., Britel M. R., Vázquez M.

Session 3 (14:00 - 15:30) Microwire & Wire
CHAIR: Blanca HERNANDO

TO3.1	High-q spiral inductor consisting of CoZrNb/Cu thin-film narrow strip multilayer <u>Yamaguchi M.</u> , Sato N. and Endo Y.
TO3.2	Stress tunable microwave absorption of ferromagnetic microwires for sensing applications <u>Qin F. X.</u> , Popov V. V., Peng H. X.
TO3.3	Biased magnetoimpedance in an FeSiBP/FeNi soft/soft composite microwire <u>Infante G.</u> , Raposo V., Íñiguez J. and Vázquez M.
TO3.4	Magnetoresistance of granular Co-Cu alloys prepared in the form of the glass-covered microwires <u>Ilyn M.</u> , Granovsky A., Zhukova V., Gonzalez J. and Zhukov A.
TO3.5	Development of low noise GMI sensor and its applications <u>Hamada N.</u> , Shimode A., Kawano T., Arakawa H., Yamamoto M. and Honkura Y.
TO3.6	Evaluation of use of magnetically bistable microwires for magnetic labels <u>Gudoshnikov S.</u> , Usov N., Zhukov A., Zhukova V., Palvanov P., Ljubimov B., Serebryakova O.

DISCUSSION PANEL (16:00 - 17:00)

Wires and Microwires

H. Davies (Sheffield, UK) - **CHAIR**
V. Larin (MFTI, Moldova)
L. Panina (Plymouth, UK)
T. Uchiyama (Nagoya, Japan)
A. Zhukov (San Sebastian, Spain)

WORKSHOP BANQUET (20:00)

ORAL PRESENTATIONS

Session 1 (09:00 - 11:00) Microwire & Wire
CHAIR: Raul VALENZUELA

FPL1.1	Thin film magnetic field sensor and its application for non-destructive and biomagnetic measurement <u>Yabukami S.</u> , Kojima K., Ozawa T., Kobayashi N., Nakai T., Arai K. I., Kato K.
FO1.1	Experimental study on wire-bonding by Cu electro-plating effect on GMI stability of Co-based amorphous wires <u>Jingshun L.</u> , Jianfei S., Dawei X., Xiang X., Shuling Z. Huan W., Xiaodong W.
FO1.2	Structural and magnetic properties of glass-covered FePtNbB-based microwires <u>Randrianantoandro N.</u> , Skorvanek I., Lupu N. and Chiriac H.
FO1.3	Domain wall propagation in single and coupled bistable class-coated microwires <u>Rodionova V.</u> , Ilyn M., Ipatov M., Zhukova V., Perov N., Gonzalez J., Zhukov A.
FO1.4	Development of 3-axis GMI sensor and its applications <u>Shimode A.</u> , Hamada N., Mori M., Nagao T., Yamamoto M. and Honkura Y.
FO1.5	Correlation of magnetic properties and giant magnetoimpedance characteristics of Co-rich amorphous microwires Gudoshnikov S., Zhukov A., Zhukova V., Sitnov Y., Skomarovsky V., Gorbunov S., <u>Usov N. A.</u>

Session 2 (11:30 - 13:00) Microwire & Wire
CHAIR: Arcady ZHUKOV

FI2.1	Microwave response of ferromagnetic nanowire arrays <u>Ménard D.</u> , Vincent B., Louis-Philippe C., Salah H.M., Christian L., Christophe C., Arthur Y.
FO2.3	Effective permittivity and permeability in arrays of ferromagnetic wires at GHz frequencies <u>Panina L.</u> , Ipatov M., Zhukova V. and Zhukov A.
FO2.1	Coil-less fluxgate: recent advances and future perspectives <u>Butta M.</u> , Ripka P., Vázquez M.
FO2.2	Micromagnetic study of magnetic domain formation and magnetization reversal on amorphous wires with circular anisotropy Betancourt I. and <u>Valenzuela R.</u>

Session 3 (14:00 - 15:00) Nano Wire
CHAIR: Larissa PANINA

FO3.1	Domain walls in nanowires: structure, pinning and chirality dependent behaviour <u>Atkinson D.</u> , Bogart L. K., Eastwood D. S., King J.A. and Armstrong H.
FO3.2	Fabrication and characterization of crystalline bi-phase Co nanowire Pirota K. R., Béron F., Zanchet D., Rocha T. C. R., Navas D., Torrejón J., Vazquez M. and <u>Knobel M.</u>
FO3.3	Ordered arrays of magnetic CoNi nanowires and nanodots: magnetization and transport <u>Vázquez M.</u> , Vivas L. G., De Abril Ó., Prida V., Vega V. and Cojocaru P.
FO3.4	Domain structure of magnetic nanotube with transverse anisotropy <u>Usov N. A.</u> , Zhukov A., González J.

DISCUSSION PANEL (15:00 - 16:00)

Nano Wire

- D. Atkinson (Durham, UK) - **CHAIR**
- H. Chiriac (Iasi, Romania)
- M. Knobel (Unicamp - Campinas, Brazil)
- D. Menard (Polytechnique - Montreal, Canada)
- M. Vazquez (CSIC - Madrid, Spain)

POSTER PRESENTATIONS (16:00 - 17:30)

CHAIR: Kemal AKAY – Asli TAYSIOGLU

FP.1	Influence of axial field upon circular magnetization and anomaly factor of eddy-current-loss in Fe-based soft magnetic wire <u>Yin-Feng L.</u> and Manuel V.
FP.2	Encoding system based on the absorption of e.m. microwave by magnetic amorphous microwires Rivero G., Flores M., <u>Multinger M.</u> , Spottomo J., Marin P., Hernando A., Gonzalez J., Gorriti A. and Marcos M.
FP.3	Group behavior of bistable microwire pieces connected in the bundle <u>Pavel V.</u> , Calmicov I., Larin V., Zaporojan S., Alexandrov R.
FP.4	Development of a machine vision based plant for the fabrication of glass-coated microwires <u>Zaporojan S.</u> , Calmicov I., Plotnic C., Larin V., Pavel V.
FP.5	Use of the cast amorphous microwire for radioabsorbing materials <u>Baranov S. A.</u> , Zhukov A., Larin V. S., Chicu L.
FP.6	Effect of applied stresses on domain wall propagation in glass-coated amorphous wires Blanco J. M., Zhukova V., Ipatov M. and <u>Zhukov A.</u>
FP.7	Magnetic and magnetotransport properties of electrodeposited NiFe/Cu multilayered nanowires <u>Chiriac H.</u> , Krimpalis S., Dragos O. G., Grigoras M., Ababei G., and Lupu N.
FP.8	Domain wall propagation in rapidly quenched submicron amorphous wires Óvári T. A., Corodeanu S. and <u>Chiriac H.</u>
FP.9	In-rotating water spinning NdFeB microwires <u>Chiriac H.</u> , Corodeanu S., Ababei G. and Lupu N.
FP.10	Consequences of the radial stress of glass coating for the magnetic properties of a family of Fe-rich microwires <u>Gawroński P.</u> , Zhukova V., Zhukov A. and Gonzalez J.
FP.11	Annealing effect on local nucleation fields in bistable microwires <u>Ipatov M.</u> , Zhukova V., Gonzalez J., Zhukov A.
FP.12	Temporal stability of coercive force of microwire's segments <u>Larin V. S.</u> , Zhukov A., Ustiugova E., Chicu L.
FP.13	Comparative study of FeCrCuNbSiB water-quenched wires and microwires <u>Olivera J.</u> , Polo C. Gómez, Larumbe S., Soto-Armañanzas J., Pérez-Landazábal J. I., Badini-Confalonieri G., Vázquez M.
FP.14	Enhancement of GMI response in Co organic coated $Fe_{4.3}Co_{68.2}Si_{12.5}B_{15}$ amorphous microwires Caylak O., Taysioglu A. A., <u>Peksoz A.</u> and Derebasi N.
FP.15	Asphaltene coating effect on GMI response of $Fe_{4.3}Co_{68.2}Si_{12.5}B_{15}$ amorphous microwires <u>Peksoz A.</u> , Taysioglu A. A., Caylak O. and Derebasi N.
FP.16	Applications of amorphous microwire in textile composite materials <u>Miuta R.</u> , Banarescu A., Baltag O., Costandache D.
FP.17	Influence of ac driving current on the giant magneto impedance effect of Co-based melt extraction wires <u>Zhang S.</u> , Sun J., Xing D., Wang X., Liu J., Wang H.
FP.18	Pspice model of Co based amorphous wires <u>Temneanu M.</u> , Donciu C., Fosalau C.

FP.19	Axial stress dependence of amorphous wire equivalent circuit parameters <u>Temneanu M., Donciu C.</u>
FP.20	Magnetic anisotropy distribution in nickel nanowire arrays by torque magnetometry analysis <u>Vega V., Prida V. M., Garcia J. A. and Vazquez M.</u>
FP.21	Characterization of silica glass covered microwires by selective indentation and estimation of internal stresses <u>Zamyatkina E. V., Petrzhik M. I., Filonov M. R.</u>
FP.23	Magnetic wire arrays as materials with negative refractive index <u>Panina L., Ipatov M., Zhukova V. And Zhukov A.</u>

CLOSING SESSION (17:30 - 18:00)