

Session E3 - Soft ferrites, powder cores and composite materials II

Wednesday, September 9

- E3-01** Hydrothermal synthesis of ultrafine particles of hexagonal ferrites ($\text{BaFe}_{12}\text{O}_{19}$, $\text{SrFe}_{12}\text{O}_{19}$) and the preparation of their stable suspensions
Darinka Primc, Darko Makovec, Miha Drogenik
- E3-02** Intrinsic permeability of Fe and Fe-Si powders deduced from measured permeability of composites by mixing rules
Dmitry A. Petrov, Eugene P. Yelsukov, Konstantin N. Rozanov, Svetlana F. Lomayeva, Alexey V. Osipov, Sergey N. Starostenko
- E3-03** XPS surface characterization of gas atomized, phosphate coated Fe-6%wt.Si soft magnetic powder particles
Manjunath B. Balehosur, Steven J. Savage
- E3-04** Magnetic properties of O-carboxymethylchitosan bounded iron oxide particles
A. Dusza, M. Wojtyniak, N. Nedelko, A. Ślawska-Waniewska, J.M. Greneche, C.A. Rodrigues, C. Burger, C. Stringari, A. Debrassi
- E3-05** Effect of iron-oleate precursor on the magnetic properties of magnetite nanoparticles
Seda Beyaz, Fatmahan Ozel, Hakan Kockar, Taner Tanrisever
- E3-06** Measurement of transient magnetic AC-properties of NiZn-ferrites
Paul Fulmek, Bernhard Schweighofer, Peter Haumer, Hannes Wegleiter, Gert Holler
- E3-07** A fabrication of chip inductor using LTCC NiZnCu ferrite thick films
K.W. Moon, S.G. Cho, K.W. Jeon, M. Kang, J. Kim
- E3-08** The AC magnetic properties of Fe based composite materials
Peter Kollár, Ján Füzér, Radovan Bureš, Mária Fáberová
- E3-09** Soft magnetic properties of nanostructured Vitroperm alloy powder cores
Ján Füzér, Peter Kollár, Jana Füzérová, Stefan Roth
- E3-10** Mössbauer Studied of Superparamagnetic Properties MnFe_2O_4 Nanoparticles
Seung Wha Lee, Jae-Gwang Lee, Kwang Pyo Chae, Woo Hyun Kwon, Sung Wook Hyun, Chul Sung Kim
- E3-11** Predicting the loss dependence on temperature in soft ferrites
Cinzia Beatrice, Fausto Fiorillo

- E3-12** Field induced microwave absorption in Ni ferrite nanoparticles
Pablo Hernández-Gómez, José María Muñoz, Manuel A. Valente
- E3-13** The magnetic and electric properties of NiZn-ferrite film using the droplet spray method
Ming Da Yang, Mean Jue Tung
- E3-14** The influence of the recrystallization on the magnetic properties of the nanocrystalline soft magnetic composites based on Ni₃Fe
Bogdan Neamțu, Olivier Geoffroy, Olivier Isnard, Ionel Chicinaș, Florin Popa, Viorel Pop
- E3-15** Validation of a new core model for an RM-type ferrite core by 2D Finite Elements
Rosa Ana Salas, Jorge Pleite
- E3-16** Magnetoelectric measurements of PZT-cobalt ferrite composites in pulsed magnetic field
M.E. Botello-Zubiate, A. Hurtado-Macias, R.C. Santillán-Rodríguez, J. González-Hernández, J.A. Matutes-Aquino
- E3-17** Fe²⁺ content and magnetic losses of manganese –zinc ferrite
F. J. G. Landgraf, Victoria Lázaro-Colán, S.R. Janasi
- E3-18** Estimation of internal stresses by nanoindentation in ferromagnetic amorphous microwires covered by a glass shell
Elena Zamyatkina, Mikhail Petzhik, Paola Tiberto, Rafael Piccin, Marcello Baricco