

## Session E1 - Soft ferrites, powder cores and composite materials I

*Monday, September 7*

- E1-01** Mössbauer studies of  $\text{Sn}_{1-x}\text{Fe}_x\text{O}_{2-\delta}$  powders prepared by a sol-gel method  
*Yong Hui Li, Sam Jin Kim, In-Bo Shim, Chul Sung Kim*
- E1-02** Low loss Magnetic and dielectric composite materials for antenna  
*Sang-Hoon Park, Won-Ki Ahn, Jun-Sig Kum, Jeong-Keun Ji, Ki-Ho Kim, Won-Mo Seong*
- E1-03** Synthesis and characterization of magnetic meta-material  $\text{Fe}_{30}\text{Ni}_{70}/(\text{Ni}_{0.4}\text{Zn}_{0.4}\text{Cu}_{0.2})\text{Fe}_2\text{O}_4$  for high frequency applications  
*Mehdi Ammar, Martino LoBue, Richard Barrué, Yannick Champion, Guillaume Wang, Arnaud Brosseau, Claude Éstournes, Frédéric Mazaleyrat*
- E1-04** Structure and properties of nanocomposite soft magnetic materials  
*Jaroslav Konieczny, Izabela Wnuk, Leszek A. Dobrzanski*
- E1-05** Magnetic properties of  $\text{SiO}_2$  coated  $\text{NiFe}_2\text{O}_4$  nanoparticles  
*Arka Chaudhury, Kalyan Mandal*
- E1-06** Particle size and concentration effect on permeability and EM-wave absorption properties of hybrid ferrite polymer composites  
*Rastislav Dosoudil, Marianna Ušáková, Jaroslav Franek, Jozef Sláma, Anna Grusková*
- E1-07** Carbon nanotube coated soft magnetic carbonyl iron particles and their magnetorheology  
*Fei Fei Fang, Hyoung Jin Choi, Jae Ho Kim*
- E1-08** Magnetic permeability of a ferrofluid emulsion  
*Yury I. Dikansky, Arthur R. Zakinyan*
- E1-10** Characterization of superparamagnetic iron oxide nanoparticles synthesized in air atmosphere  
*Oznur Karaagac, Seda Beyaz, Hakan Kockar, Taner Tanrisever*
- E1-11** Permeability of soft magnetic FeCoV-composites for varying filler fractions  
*Mathias Anhalt, Bernd Weidenfeller*
- E1-12** Properties of powder compressed cores made of  $\text{Fe}_3\text{O}_4$ -coated iron powder  
*Pyungwoo Jang, Sooyong Joo, Gwangbo Choi*

- E1-13** Surface coated superparamagnetic magnetite nanoparticles  
*Min-Jung Kim, Yong-Ho Choa, Yujung Cha, Baekil Nam, Dong Ho Kim, Ki Hyeon Kim*
- E1-14** Analysis of selected Be-substituted NiZn ferrites  
*Jozef Sláma, Elemír Ušák, Martin Šoka, Anna Grusková, Mariana Ušáková, Vladimír Jancůárik*
- E1-15** Study of magnetic losses in Mn-Zn ferrites under biased and asymmetric excitation waveforms  
*Martino LoBue, Frédéric Mazaleyrat, Vincent Loyau*
- E1-16** Analysis of magnetic properties the substituted Li ferrites  
*Jozef Sláma, Anna Grusková, Martin Šoka, Mariana Ušáková, Vladimír Jancůárik, Jaroslav Franek*
- E1-17** A physical aspect of the magnetic spectra analysis of ferrites and ferrite-polymers  
*Martin Šoka, Jozef Sláma, Rastislav Dosoudil, Vladimír Olah, Peter Široký*
- E1-18** Control of spin-dependent-magnetoresistance by regulation of heat treatment temperature for magnetite nano-particle sinter  
*H. Kobori, T. Asahi, A. Yamasaki, A. Sugimura, T. Taniguchi, A. Ando, H. Kawanaka, Y. Naitoh, T. Shimizu*