

Session G3 - Magnetic measurements and instrumentations II

Wednesday, September 9

- G3-01** Investigations on the permeability of soft magnetic micro structures
Matthias Bedenbecker, Hans H. Gatzert
- G3-02** Fatigue evaluation for a ferritic stainless steel (SUS430) by the eddy current method using the pancake type coil
Mohachiro Oka, Yuji Tsuchida, Terutoshi Yakushiji, Masato Enokizono
- G3-03** Barkhausen noise properties measured by different methods for deformed Armco samples
Boleslaw Augustyniak, Leszek Piotrowski, Marek Chmielewski, Kostas Kosmas, Evangelis Hristoforou
- G3-04** Magnetic thin film wattmeter using planar hall effect
Hiroaki Tsujimoto, Hirofumi Toratani, Hiroshi Yoshida
- G3-05** Examination of magnetic properties of magnetic materials at high temperature using a ring specimen
Norio Takahashi, Sadayuki Morishita, Daisuke Miyagi, Masanori Nakano
- G3-06** Determination of the heating effect of magnetic fluid in alternating magnetic field
Miloš Beković, Anton Hamler
- G3-07** Inspection of surface cracks in laminated steel
Yavuz Ege, Mustafa Göktepe
- G3-08** Magnetic flux leakage inspection of rebars in concrete blocks
Deniz Perin, Mustafa Göktepe
- G3-09** Detection of fatigue limit of materials thanks to piezomagnetic measurements
Said Lazreg, Olivier Hubert
- G3-10** Magnetisation amplitude and stress dependence of the Barkhausen noise in structural steel
L. Harasztosi, I.A. Szabó, A. Bükki-Deme, Gy. Pozsgay
- G3-11** Improvement of non-linear magnetic response in magnetostatically-coupled microwires
Valeria Samsonova, Mikhail Ipatov, Maxim Ilyn, Valentina Zhukova, Nikolai Perov, Arcady Zhukov

- G3-12** Solving the field gradient problem of the surface field measurements on open samples
Oleksiy Perevertov
- G3-13** Magnetizing system for compensation SSTs
Ivan Zemánek
- G3-14** New concept hybrid magneto-piezoelectric magnetic field sensor
Karol Kuczyński, Adam Bieńkowski, Andrzej Leszczyński
- G3-15** Design of a test rig for measurement of rotational magnetic losses in soft magnetic composite materials
Ahmed Chebak, Philippe Viarouge, Jérôme Cros
- G3-16** Half-turn search coils for evaluation of non-uniform flux density in steel strip
Jeremy P. Hall
- G3-17** Improving the response of magnetic sensors using planar Hall effect in spin-valve structures
Marius Volmer, Jenica Neamtu
- G3-18** On the need for a consistent method of reporting the magnetic properties of electrical steels
Steve Sprague
- G3-19** Effects of magnetic phases on the ECT signal in the steam generator tubes
Duck-Gun Park, Kwon-Sang Ryu, Derac Son, Yong-Moo Cheong
- G3-20** The effect of magnetostriction on the microwave performance of Fe-N films
Igor T. Iakubov, Andrey N. Lagarkov, Sergey N. Maklakov, Patimat M. Omarova, Alexey V. Osipov, Konstantin N. Rozanov, Ilya A. Ryzhikov, Sergey N. Starostenko