Session C1 - Grain-oriented and non oriented electrical steels I

Monday, September 7

C1-01 Effect of grain size distribution on coercive field of non-oriented electrical steel sheet
Nicolau A. Castro, Emerson G. Melo, Fernando J. G. Landgraf, Fernando S. Costa, Marcos Fukuhara, Taeko Yonamine

C1-02 Magnetic and mechanical properties of newly developed high-strength non-oriented electrical steel
Ichiro Tanaka, Hiroyoshi Yashiki

C1-03 Barkhausen noise and magnetic properties of plastically deformed silicon steels
R. Baiotto, G. Gerhard, M. Fukuhara, T. Yonamine, F. P. Missell

C1-04 Misorientation of grain oriented electrical steel sheets and their magnetic properties in lamination
Satoshi Arai, Masato Mizokami, Eiichi Namba, Masahiro Fujikura

C1-05 Barkhausen noise study of grain size in non-oriented FeSi steel
Jozef Pal'a, Jan Bydžovský, Ivan Petryshynets, František Kováč, Volodymyr Stoyka

C1-06 Which kind of correlations do exist between "magnetostriction of GO electrical steel" & "transformer noise"?
Ludger Lahn, Chaoyong Wang, Régis Lemaître

C1-07 Measurement of electrical steels with direct field determination
Oleksandr Stupakov, Richard Wood, Yevgen Melikhov, David Jiles

C1-08 Complex permeability of grain-oriented electrical steel over an induction range of 100 μTesla to 1.6 Tesla
George A. Cavigelli

C1-09 Investigation of abnormal grain growth development in conventional cold rolled Fe-3%Si steel
Volodymyr Stoyka, Frantisek Kovac, Oleksandr Stupakov, Ivan Petryshynets

C1-10 Magnetostriction anisotropy and rotational magnetostriction of a non-oriented electrical steel
Sakda Somkun, Anthony Moses, Philip Anderson, Piotr Klimczyk

C1-11 Interdependence of hysteresis and eddy-current losses in laminated magnetic cores of electrical machines
Emad Dlala, Anouar Belahcen, Jenni Pippuri, Antero Arkkio

C1-12 Effects of compressive stress perpendicular to the surface of non-oriented electric steels on their magnetic properties
Ken-ichi Yamamoto, Shunji Yanase

C1-13 Effect of Si content and thickness on magnetic properties of non-grain oriented silicon steels
Heejong Jung, Eunji Yu, SangBeom Kim, Jongryoul Kim

C1-15 Qualification protocol for hysteresis models of magnetic materials in static and dynamic modes. Application in design software.
T. P. Do, F. Sixdenier, L. Morel, E. Morin, L. Gerbaud, F. Wurtz