

Papers Presented at the Technical Meetings of DEI

Titles of papers presented at the technical meetings of DEI are listed below which were held from July 1997 to July 1998.

Theme: Treeing, Partial Discharge, Other Insulators in general
July 24, 1997, Akita University

- DEI-97-53 Energy Flux from RF Discharge Plasma to a Substrate II.
A. Takahashi, K. Takaki, T. Fujiwara (Iwate University), M. Nagata, M. Ono (Fujikura Ltd.)
- DEI-97-54 Flue Gas Treatment Using Dielectric-Barrier Discharge II.
T. Suzuki, H. Murakami, M. A. Jani, K. Takaki, S. Katoh, T. Fujiwara (Iwate University), S. Maekawa (Hitachi Eng'g. Service Corp.)
- DEI-97-55 Estimation of Electron Collision Cross Section by Genetic Algorithm.
T. Miura, M. Suzuki, T. Taniguchi (Akita University)
- DEI-97-56 Flashover Characteristics of Insulators under Rapid Pollution Conditions.
A. Nakajima, M. Sato, T. Komukai (Akita University), T. Oyamada (Tohoku Electric Power Co.)
- DEI-97-57 Relation between Oxidation Ability of Various Ions and Growth of Water Trees.
F. Zong-huai, H. Miyata, I. Fujimoto, T. Niwa (Fujikura Ltd.), N. Yoshimura (Akita University)
- DEI-97-58 A Consideration of the Equivalence Circuits for Water Trees in 6kV XLPE Power Cables.
T. Kumazawa (Chubu Electric Power Co., Inc.), S. Sugiyama, M. Hotta, T. Hashizume, T. Tani (Yazaki Electric Wire Co., Ltd.)
- DEI-97-59 Fractal and Chaos Characteristics of Electrical Tree.
H. Uehara, T. Arai, K. Kudo (Meiji University)
- DEI-97-60 Study of Space Charge Relaxation in Water-treed XLPE and the Equivalent Circuit of Water Trees.
K. Adachi, Y. Li, M. Ogishima, J. Kawai, Y. Ebinuma (Showa Electric Wire & Cable Co., Ltd.)
- DEI-97-61 PD Characteristics in Void in Series with Fissure-like Interface.
Q. Liu, Y. Kai (Aichi Electric Co., Ltd.), M. Nagao, M. Kosaki (Toyohashi University of Technology)
- DEI-97-62 Electrical Characteristics of Electron Beam Irradiated PEEK.
K. Shinyama, S. Fujita, M. Baba (Hachinobe Institute of Technology)
- DEI-97-63 Diagnostic of Tree Propagation by Analysis of Partial Discharge at Each Phase Angle.
K. Urano, Y. Ehara, H. Kishida, T. Ito (Musashi Institute of Technology)
- DEI-97-64 Reconstruction of TSC Curves from Partial Curves by Using the Theory of the Fundamental Element.
Y. Kamitani, M. Yoshiura, S. Maeta (Osaka Institute of Technology), F. Yoshida (Osaka Institute of Technology Junior College)
- DEI-97-65 Thermally Stimulated Currents in Polyaniline Thin Film.
M. Yoshiura, Y. Kamitani, S. Maeta (Osaka Institute of Technology), F. Yoshida (Osaka Institute of Technology Junior College)
- DEI-97-66 TEM Analysis of Polyethylene.
T. Okamoto, M. Kanegami, N. Hozumi (CRIEPI)
- DEI-97-67 The Factors of Electric Deterioration of Mica-Alumina Combined Insulation under Thermal and Electrical Stresses.
M. Kanegami, T. Ito, T. Okamoto (CRIEPI), H. Mitsui, R. Kumazawa, R. Aizawa (Toshiba Corp.)
- DEI-97-68 Characteristics of Breakdown on Polyethylene Film Added with Azobenzene Compound.
H. Endo, Y. Yamano (Chiba University)
- DEI-97-69 Surface Flashover through a Crack in Insulator with Back-electrode.
S. Ohnoya, Y. Yamano (Chiba University)