

- DEI-97-37 R.Hanaoka (Kanazawa Institute of Technology)
The Report on IEC SC15E Philadelphia Meeting
S.Kobayashi (Niigata College of Technology)
- DEI-97-38 A Report of Study in University of Windsor, Canada
T.Tokoro (Gifu National College of Technology)
- DEI-97-39 Degradation of Hydrophobicity of Polymer Insulating Materials by the Absorption of
Saline Water and the Change of Surface Energy
T.Tokoro (Gifu National College of Technology)
- DEI-97-40 Characteristics of Interfacial-Discharge Occurring at the Interface between Metal and
Dielectric.
Y.Gosho, M.Endo, H.Fukushima, K.Tsunoyama (Chuo University)
- DEI-97-41 Transient Observation of Space Charge Distributions in Polypropylene Laminated
Paper
T.Maeno, K.Fukunaga (Communications Research Laboratory)
- DEI-97-42 Study of Partial Discharge Degradation Properties with the Electrode System
Simulated Solid-Solid Interface
H.Kuno, Y.Suzuoki, T.Mizutani (Nagoya University), K.Uchida (Chubu Electric
Power Co. Inc.,)
- DEI-97-43 Development of Model Specimen for Evaluating Electrical Insulation Properties of
Polymeric Solid-Solid Internal Interface
N.Akagi, M.Nagao, M.Kosaki (Toyoashi University of Technology)
T.Tanaka (Kyushu University, Central Research Institute of Electric Power Industry)
- DEI-97-44 Interfacial Phenomena of Polymeric Insulators for Outdoor Applications
M.Ezoe (Nitto Denko Corporation), K.Kadotani (Hitachi Chemical Co. Ltd.)

Theme: Electrical and Optical Expolation Theory and its Applications

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- DEI-97-45 Development of Small Pockels Sensor for Measuring Electric Fields with LiNbO₃
Optical Waveguide
T.Takahashi (CRIEPI)
- DEI-97-46 Multi-segmented Pockels High Voltage Measuring System
J.C.Santos (University of Sao Paulo), M.C.Taplamacioglu (Gazi University),
K.K.Hidaka (University of Tokyo)
- DEI-97-47 Dynamic Surface Charge Observation Using Electro-optic Pockels Effect
T.Ikeda, K.Iizuka, T.Takada, Y.Murooka (Musashi Institute of Technology)
- DEI-97-48 Measurement of Electric Field distribution in Liquid Dielectrics using by Kerr Effect
T.Maeno (Communications Research Laboratory)
- DEI-97-49 Development of automatic two-dimensional dielectric birefringence measurement
system
T.Koyama, Y.Zhu, S.Yamagishi, T.Takada, Y.Murooka (Musashi Institute of
Technology)
- DEI-97-50 Development of Current Sensor using Silica Optical Fiber for Power Industry
M.Takahashi, Y.Mizutani, M.Saitou, S.Ikuta, H.Noda, H.Miura, K.Terai (Toshiba
Corporation)
- DEI-97-51 Electron Emission from Ferroelectric Ceramics caused by Spontaneous Polarization
Reversal and its Applications
K.Yasuoka, M.Miyake, S.Ibuka, S.Ishii (Tokyo Institute of Technology)
- DEI-97-52 A Model of Field Distribution due to Space Charges under a Thunder Cloud (No. 1)
Y.Murooka, T.Takada (Musashi Institute of Technology)
T.Nakano (National Defense Academy)

By Dr. Y. Ebinuma (Showa Electric Wire & Cable Co., Ltd.)