2007 Japan-Korea Joint Symposium on Electrical Discharge and High Voltage Engineering at Shibaura Institute of Technology, Tokyo

Time Table

15 November (Thursday)

	Registration desk on the 4th floor
16:00-19:00	Registration

16 November (Friday)

	Room A (403)	Room B (404)
8:30-9:30	Registration	
9:30-9:50	Opening Remarks	
10:00-11:20	**Partial Discharge and Its Diagnostics (I)**	**Electrical Breakdown in Vacuum, Gases and Liguids**
11:20-11:40	Coffee Break	
11:40-12:40	**Partial Discharge and Its Diagnostics (II)**	**Lightning and Surge Protection**
12:40-12:50	Photograph	
12:50-13:50	Lunch	
13:50-15:30	**P. Poster Session**	
15:30-15:50	Coffee Break	
15:50-17:30	**EMF, EMC and others**	**Plasma Application**
18:00-19:30	Banquet	

17 November (Saturday)

	Room A (403)	Room B (404)
9:00-10:40	**Partial Discharge and Its Diagnostics (III)**	**Environmental and Biological Applications**
10:40-11:00	Coffee Break	
11:00-12:20	**Electrical Insulation and Dielectric Materials (I)**	**Fundamental Processes of Electrical Discharges**
12:20-13:20	Lunch	
13:20-14:40	**Electrical Insulation and Dielectric Materials (II)**	**Testing and Measuring Techniques (I)**
14:40-15:00	Coffee Break	
15:00-16:20	**Electrical Insulation and Dielectric Materials (III)**	**Testing and Measuring Techniques (II)**
16:20-16:40	Closing Remarks	

November 16 (Fri)

Room A (403)

Opening Remarks (9:30-9:50)

Partial discharge and its diagnostics (I) (10:00-11:40)

16A-a1 Detection of UHF partial discharge signal using the three dimensional loop antenna
S. Matsumoto, K. Kasajima and K. Kunitomo (Shibaura Inst. Technol.)

16A-a2 UHF partial discharge detection system for medium voltage gas insulated swichgears
T. H. Kwon and D. M. Kim (KEPCO)

16A-a3 Measurement and analysis of frequency spectrums of electromagnetic wave signals emitted by discharges in three-phase gas insulated switchgear using UHF method
Umar Khayam[1], Y. Nishiuchi[1], S. Ohtsuka[1], M. Hikita[1], N. Otaka[2], T. Matsuyama[2], Y. Kobayashi[3] and Y. Takehara[3] ([1]Kyushu Inst. Technol., [2]Japan AE Power Systems Co., [3]Hitachi Engineering and Services)

16A-a4 A Novel method to obtain the reliable response of UHF coupler in detecting PD for GIS using Pockels cell
Cheol-hwi Ryu[1], Ja-yoon Koo[1], Seung-yong Jung[1], Jae-ho Lee[1] and Sang-hwa Lee[2]
([1]Hanyang Univ., [2]Korea Electrical Engineering & Science Research Inst.)

Coffee break (11:20-11:40)

Partial discharge and its diagnostics (II) (11:40-12:40)

16A-a5 Studies of elastic waves in ethylene propylene rubber using acoustic emission sensor
M. Takaoka[1], T. Sakoda[1], M. Otsubo[1], K. Yoshimitsu[2], M. Iki[2] and S. Nakano[2]
([1]Univ. of Miyazaki, [2]Kyushu Electric Power Co.)

16A-a6 Off-line dismantled PD diagnosis for stator winding of rotating machines using UWB sensor
Kyaw-Soe Lwin[1], Kwang-Jin Lim[1], Dong-Hoon Shin[1], Noh-Joon Park[1], Dae-Hee Park[1] and Hee-Dong Kim[2] ([1]Wonkwang Univ. & [2]Korea Electric Power Inst.)

16A-a7 Characteristics of online partial discharge on hydrogenerator stator windings by hybrid detection method with AE sensors and CT sensor
T. Tsuji[1], T. Kaneko[1], R. Hiratani[2], I. Maeda[2], C. Honda[2], M. Otsubo[2], T. Sakoda[2], O. Takenouchi[3], S. Fukumoto[4], A. Tokumitsu[4], T. Kai[5] and M. Andou[6]
([1]Miyazaki Municipal Univ. [2]Univ. of Miyazaki, [3]Civil Aviation College, [4]Kyushu Erectric Power Co., [5]Kodensya Co., [6]Miyazaki Pref. Government Public Enterprise Bureau)

Photograph (12:40-12:50)

Lunch (12:50-13:50)

Poster Session (13:50-15:30)

Coffee break (15:30-15:50)

EMF, EMC and others (15:50-17:30)

16A-p1 Analysis on current densities induced inside a worker using AC arc welder
Suk Won Min and Jun Hyeong Park (Soonchunhyang Univ.)

16A-p2 FDTD study on EM wave distorted in tiny dielectrics
Y.Takahashi[1], Y.Tanaka[2], Y. Murooka[3] and K.Okumura[3]
([1]Sankosha Co., [2]Musashi Inst. Technol., [3]Shibaura Inst. Technol.)

16A-p3 Transient phenomena analysis at electric shock using dummy model
J. W. Jung and J. S. Jung (Korea Electrical Safety Corporation)

16A-p4 Decision on the optimal bundle types of HVDC ±500 kV overhead transmission lines by corona cage simulation

Kwangho Yang[1], Munno Ju[1], Dongil Lee[2] and Kooyong Shin[2] ([1]KERI, [2]KEPRI)

16A-p5 Improvement of an applicator for hyperthermia in long wavelength microwave using small loop antennas

H. Matsumoto[1], S. Nakamoto[1], H. Takeno[1], Y. Yasaka[1], S. Kawai[2], T. Mitani[2], N. Shinohara[2] and H. Namiki[3] ([1] Kobe Univ., [2] Kyoto Univ., [3] Kyobashi Corp.)

Room B (404)

Opening Remarks (9:30-9:50) in Room A

Electrical Breakdown in Vacuum, Gases and Liquids (10:00-11:40)

16B-a1 Observation of pulse current caused during spark conditioning process of ultra high vacuum gap

M. Kawada[1], Y. Yamano[1], Y. Saito[2], T. Yoshida[1] and S. Kobayashi[1]
([1] Saitama Univ., [2] KEK)

16B-a2 Interruption characteristics of double-break vacuum circuit breakers

N. Ide[1], O. Tanaka[1], S. Kaneko[2], S. Okabe[2], Y. Matsui[3] and S. Yanabu[1]
([1] Tokyo Denki Univ., [2] TEPCO, [3] Japan AE Power Systems Co.)

16B-a3 Temperature of plasma arc with changing current

Y. Mori[1], T. Iwao[1], M. Yumoto[1], S. Tashiro[2] and M. Tanaka[2]
([1] Musashi Inst. Technol., [2] Osaka Univ.)

16B-a4 Electrical characteristics of pulsed arc discharges in conductive waters

W. Imanishi, T. Sugahara and N. Hayashi (Kyushu Univ.)

Coffee break (11:20-11:40)

Lightning and Surge Protection (11:40-12:40)

16B-a5 Practical trends of lightning surge waveforms and their dominant causes observed on an EHV power system

I. Miyachi and M. Yoda (Aichi Inst. Technol.)

16B-a6 Impulsive discharge characteristics at the tip of submerged rod

Jong-Hyuk Choi, Young-Hwan Baek, Dong-Sung Kim, Tae Ki Kim, Dong-Moon Lee and Bok-Hee Lee (Inha Univ.)

16B-a7 Decrease characteristics of rod electrode earthing resistance in soil

K. Seki[1], T. Shinohe[2] and K. Okumura[2] ([1] Kandenko Corp., [2] Shibaura Inst. Technol.)

Photograph (12:40-12:50)

Lunch (12:50-13:50)

Poster Session (13:50-15:30)

Coffee break (15:30-15:50)

Plasma Applications (15:50-17:30)

16B-p1 Nitrogen atom densities in rare gas diluted N_2 plasmas for silicon oxynitride growth

T. Kitajima, A. Kubota and T. Nakano (National Defense Academy)

16B-p2 The new fence structures in the AC PDP for a high luminance and luminous efficacy

Cho-Rom Yoon, Chang Woo Seok, Dong-Wook Lee, Sun Gil Jung, Kyung-Il Kang, Hae June Lee, Chung-Hoo Park (Pusan National Univ.)

16B-p3 Development of pulsed low temperature atmospheric pressure plasma by using a dielectric-free parallel electrode

C. S. Ha, J. Y. Choi, I. C. Song, S. W. Hwang, H. J. Yoon, H-J Lee and H. J. Lee (Pusan National Univ.)

16B-p4 Role of methane and hydrogen gases in plasma-enhanced chemical vapor deposition of carbon nanotubes
Y. Suda[1], A. Okita[1], A. Oda[2], J. Nakamura[3], Y. Sakai[1] and H. Sugawara[1]
([1] Hokkaido Univ., [2] Nagoya Inst. Technol., [3] Univ. of Tsukuba)

16B-p5 Effects of back electrode for etching of silicon nitride film on solar cells using surface discharge
S. Arakawa, T. Hamada, T. Sakoda and M. Otsubo (Univ. of Miyazaki)

Poster Session (13:50-15:30)

16P-1 Practical implications of multi-agent transformer condition monitoring system on-line
Ju-Ho Yun, Y. S. Choi and K. S. Lee (Dongshin Univ.)

16P-2 Field practice of UHF technique for on-line PD monitoring
Ju-Ho Yun, Y. S. Choi and K. S. Lee (Dongshin Univ.)

16P-3 Space charge in polymers irradiated by an electron beam
Ju-Ho Yun, Y. S. Choi and K. S. Lee (Dongshin Univ.)

16P-4 Simulation on characteristics of wide band EM waves emitted from PD in air-substation using FDTD Method
K. Somsay, M. Kawada and K. Isaka (The Univ. of Tokushima)

16P-5 Effects of the length of GIS on wide band electromagnetic waves emitted from PD using FDTD
M. Kurei, M. Kawada and K. Isaka (The Univ. of Tokushima)

16P-6 Application record for PD detection of 22.9 kV underground HTS power cable
H. S. Ryoo[1], S. H. Sohn[2], S. D. Hwang[2], J. D. Lim[2] and J. Y. Koo[3]
([1]Korea Electro-technology Research Inst., [2]KEPRI, [3]Hanyang Univ.)

16P-7 Recovery time characteristics of superconducting fault current limiter
T. Koyama[1], M.Endo[1], Y.Takahashi[1], K.Kaiho[1], I.Yamaguchi[2], K. Arai[2],and S. Yanabu[1]
([1]Tokyo Denki Univ., [2]AIST)

16P-8 The measurement of charge and potential distribution on dielectric surface with surface discharge by using electrostatic voltmeter
I. Takahashi, S. Matsuoka, A. Kumada and K. Hidaka (The Univ. of Tokyo)

16P-9 New development of high sensitive noiseless electric field sensor
S. Takahashi, Y. Fukui, K. Okumura and Y. Murooka (Shibaura Inst. Technol.)

16P-10 Medium voltage epoxy insulator with a built-in electronic voltage transformer
Yong-Moo Chang, Sang-Woog Lee and Chae-Min Lee (Hanyang Univ.)

16P-11 Dependence of DC volume resistivity of mass impregnated paper on temperature and electric stress
Mi Kyoung Ahn, Jung Nyun Kim, Seung Ik Jeon, Bok Hee Youn, Doo Sung Shin and Si Ho Son (LS cable Ltd.)

16P-12 Charging characteristics of an insulating hollow cylinder in vacuum
T. Wadahama[1], D. Takeda[1], T. Hayashi[1], O. Yamamoto[1], Y. Ohsawa[1] , S. Hamada[1] and H. Morii[2] ([1]Kyoto Univ., [2] Kansai Electric Power Company)

16P-13 A Combined method for controlling surface charging of an insulating hollow cylinder in vacuum
H. Akiyama[1], D. Takeda[1], T. Hayashi[1], O, Yamamoto[1], Y. Ohsawa[1], S. Hamada[1] and H. Morii[2]
([1]Kyoto Univ., [2] Kansai Electric Power Company)

16P-14 Influence of cathode oxidation of oxygen-free copper electrodes on vacuum breakdown characteristics
Z. Fang[1], Y. Yamano[1], S. Kobayashi[1] and Y. Saito[2] ([1]Saitama Univ., [2]KEK)

16P-15 Anode spot generation in low current DC vacuum arcs using anode having a magnet inside
K. Kobayashi, W. M. R. R. Wanninayake, G. Takahashi, T. Yanagidaira, N. Y. Sato and K. Tsuruta (Ibaraki Univ.)

16P-16 Measurement of iodine density generated from CF_3I-CO_2 mixture after current interruption
H. Katagiri, H. Kasuya and S. Yanabu (Tokyo Denki Univ.)

16P-17 Insulation diagnosis of coils by impulse test
T. Susaki[1], Y. Shibuya[1] and K. Umezu[2]
([1] Shibaura Inst. Technol., [2] ECG Kokusai Co., Ltd.)

16P-18 Contamination flashover voltage of a porcelain bushing shell with silicone rubber coating at trunks
A. Hayashi, K. Yamada, C. Saka, K. Sakanishi and R. Matsuoka (Chubu Univ.)

16P-19 Evaluation of insulation performance of aged semi-conducting glaze and RTV silicone rubber coated insulators
A. Muto, T. Mizuno, M. Yoshikawa, Basanta K. Gautam, T. Kawaguchi and R. Matsuoka (Chubu Univ.)

16P-20 Studies on understandings of insulation performance of ZnO surge arrester with series gap
Y. Miyakawa[1], T. Sakoda[1], M. Otsubo[1], T. Harada[2] and K. Sakoda[2]
([1] Miyazaki Univ., [2] Kyushu Electric Power Co., Inc.)

16P-21 Oxidation property of semiconductive shield materials for power cables in accordance with content of CNT
Hoon Yang[1], Jeong-Ho Kook[2], Hyun-Hoo Kim[3], Chang-Woon Nah[2] and Dae-Hee Park[1]
([1] Wonkwang Univ., [2] Chonbuk National Univ., [3] Doowon Technical College)

16P-22 Density and lifetime evaluation of weakly ionized plasma for laser-triggered lightning by means of laser absorption
M. Yamaura (Institute for Laser Technology)

16P-23 Experiments and numerical analyses of deceleration process on a traveling wave direct energy converter simulator
K. Takada, D. Omoya, H. Takeno and Y. Yasaka (Kobe Univ.)

16P-24 Analyses of the effect of bias electric field in an experimental device of cusp type direct energy converter
T. Tsujimoto, K. Goto, Y. Yasaka and H. Takeno (Kobe Univ.)

16P-25 Evaluation of ion and radical fluxes in CH_4/H_2 plasma for CNT growth
Y. Hizume[1], A. Okita[1], A. Oda[2], H. Sugawara[1], Y. Suda[1] and Y. Sakai[1]
([1] Hikkaido Univ., [2] Nagoya Inst. of Technology)

16P-26 Composition of two-layered amorphous fluorocarbon films by perfluorooctane plasma enhanced chemical vapor deposition
T. Yamauchi, H. Koike, H. Sugawara, Y. Suda and Y. Sakai (Hokkaido Univ.)

16P-27 Improvement of electrical and optical characteristics of AC-PDP with slantly-facing electrode
Deok-Won Kim, Jung-Woo Ok, Jin-Ho Jang, Jeong-Hwan Lim, Dong-Hyun Kim, Ho-Jun Lee and Chung-Hoo Park (Pusan National Univ.)

16P-28 Evaluation of electron energy distribution functions in a He, atmospheric-pressure, non-equilibrium plasma by trace-rare-gases optical emission spectroscopy
T. Nakano, Y. Kubota, H. Akashi and T. Kitajima (National Defense Academy)

16P-29 Factors in streaming electrification of insulation oil
K. Shibasaki and Y. Shibuya (Shibaura Inst. Technol.)

16P-30 Particle compositions, thermal-dynamics and transport properties of argon plasma in non-chemical equilibrium under consideration of time change
T. Shimizu and T. Inaba (Chuo Univ.)

16P-31 A study on dielectric properties of matter in AC-PDP
Sung-Yong Cho, Don-Kyu Lee, Wang-Sun Lim, Moon-Ki Han, Chung-Hoo Park, Hae-June Lee and Ho-Jun Lee (Pusan National Univ.)

16P-32 Spatiotemporal dynamics of capacitively coupled microplasma jet generated in glass capillary
A. Ichinose, F. Tochikubo, S. Uchida and T. Watanabe (Tokyo Metropolitan Univ.)

16P-33 Clarification of high speed arc movement using plasma image processing
T. Inomata, T. Iwao and M. Yumoto (Musashi Inst. Technol.)

16P-34 Thermodynamic and transport property of high temperature air under consideration of chemical non-equilibrium
K. Karasawa, T. Iwao and M. Yumoto (Musashi Inst. Technol.)

16P-35 Cathode spot movement priority of low pressure arc
S. Kamishima, T. Iwao and M. Yumoto (Musashi Inst. Technol.)

16P-36 Anode spot deflection as function of external magnetic field
S. Fujisawa, T. Iwao and M. Yumoto (Musashi Inst. Technol.)

16P-37 Relation between moving arc and its voltage at parallel electrodes under consideration of ripple
Y. Monoi, T. Iwao and M. Yumoto (Musashi Inst. Technol.)

16P-38 High efficient heating to anode using twin torch plasma arc

Y. Morita, T. Iwao and M. Yumoto (Musashi Inst. Technol.)

16P-39 Corona-discharge treatment of gaseous acetone at atmospheric pressure
T. Sakamoto, K. Satoh and H. Itoh (Muroran Inst. Technol.)

16P-40 Influence of reaction temperature on NOx removal property by plasma-assisted selective catalytic reduction with γ-Al_2O_3 pellet
H. Yoshizawa, F. Tochikubo, S. Uchida and T. Watanabe (Tokyo Metropolitan Univ.)

16P-41 Ozone generation characteristics of compact ozonizer using screw-type electrode with oxygen or artificial air
T. Matsumoto, T. Fujishima and T. Yamashita (Nagasaki Univ.)

16P-42 Ozone generation characteristics of ozonizer with rotating type electrode
S. Gnapowski, C. Yamabe and S. Ihara (Saga Univ.)

November 17 (Sat)

Room A (403)

Partial discharge and its diagnostics (III) (9:00-10:40)

17A-a1 PD degradation in a micro gap and initial electron required for PD generation
Y. Kinoshita[1] and K. Imai[2] ([1]Nagoya Kougakuin College of Technology, [2]Nagoya Univ.)

17A-a2 Locating partial discharge source occurring on distribution line using FDTD and TDOA methods
Ye Tian, M. Kawada and K. Isaka (The Univ. of Tokushima)

17A-a3 On-line monitoring and diagnostics of power equipment
Ju-Ho Yun[1], Y. S. Choi[1], Hyang-Kon Kim[2], Chung-Seog Choi[2] and K. S. Lee[1]
([1]Dongshin Univ., [2]Electrical Safety Research Institute of KESCO)

17A-a4 Estimation of the number of partial discharge sources using multichannel blind deconvolution of electromagnetic waves
H. Ishimaru[1,2], M. Kawada[2] and K. Isaka[2]
([1]Nagoya Inst. Technol., [2]The Univ. of Tokushima)

17A-a5 Partial discharge in PPLP butt gaps impregnated with air, nitrogen gas, and liquid nitrogen
T. Nishimura[1], S. Matsuoka[1], A. Kumada[1], K. Hidaka[1], H. Takigawa[2] and T. Masuda[2]
([1]The Univ. of Tokyo, [2]Sumitomo Electric Industries)

Coffee break (10:40-11:00)

Electrical Insulation and Dielectric Materials (I) (11:00-12:20)

17A-a6 The observation of audible discharge noise caused by contaminated insulators on the 500 kV transmission tower
T. Matsumoto and Y. Kobayashi (Shizuoka Univ.)

17A-a7 Electrical conduction in polyimide thin film
Won Jung Kim, Tae Young Kim, Bong Seok Lee, Tae Hee Lee, Kwang S. Suh (Korea Univ.)

17A-a8 Dielectric breakdown properties of poly-lactic acid composites
K. Shinyama and S. Fujita (Hachinohe Inst. Technol.)

17A-a9 The weight loss of polymeric insulator material by dry band arc discharge and the rise of discharge path
D. Kawaguchi, K. Nagata, T. Fujishima and T. Yamashita (Nagasaki Univ.)

Lunch (12:20-13:20)

Electrical Insulation and Dielectric Materials (II) (13:20-14:40)

17A-p1 Thermally stimulated current in polybutylene succinate
H. Ishikawa and Y. Ohki (Waseda Univ.)

17A-p2 Basic study on the discharge-onset characteristics of composite insulation system
Y. Kimura, K. Shimuta, J. Sato, T. Fujishima and T. Yamashita (Nagasaki Univ.)

17A-p3 Streaming electrification characteristics on temperature of silicone oil
T. Ishikawa[1], K. Yasuda[1], S. Tegawa[1], S. Yanabu[1], S. Okabe[2] and S. Kaneko[2]
([1] Tokyo Denki Univ., [2] TEPCO)

17A-p4 A case study on the failure cause analysis of power cables
J. W. Jung, J. S. Jung, Y. S. Kim and K. M. Shong (Korea Electrical Safety Corp.)

Coffee break (14:40-15:00)

Electrical Insulation and Dielectric Materials (III) (15:00-16:20)

17A-p5 The effect of SEBS on the conduction mechanism of LDPE/PS blends
Myung Chan Lee, Byung Moo Moon, Tae Hee Lee, Young Hee Lee, Bong Seok Lee and Kwang S. Suh (Korea Univ.)

17A-p6 An experimental investigation on the electrical characteristics of SF_6-based mixture gases
Ho-Joon Seo and Dong-Hee Rhie (Suwon Univ.)

17A-p7 By-products of CF_3I produced by spark discharge
T. Takeda, S. Matsuoka, A. Kumada and K. Hidaka (The Univ. of Tokyo)

17A-p8 Gas decomposition analysis of CF_3I under AC partial discharge of non-uniform electric field configuration
M. Kamarol, Y. Nakayama, T. Hara, S. Ohtsuka and M. Hikita (Kyushu Inst. Technol.)

Closing Remarks (16:20-16:40)

Room B (404)

Environmental and Biological Applications (9:00-10:40)

17B-a1 Ozone generation by inductive storage energy system pulsed power generator
T. Go[1], N. Yamazaki[2], J. Sato[2], S. Mukaigawa[2], K. Takaki[2] and T. Fujiwara[2]
([1] Ichinoseki National College of Technology, [2] Iwate Univ.)

17B-a2 Development of energy-saving type ozone generator derived from barrier discharge using dielectrodes
A. Murai[1], C. Yamabe[2] and S. Ihara[2] ([1] The Kansai Electric Power Co., Inc., [2] Saga Univ.)

17B-a3 Evaluation of decomposition treatment for chlorophenols using by electron acceleration from carbon nanotubes
M. Yamaura[1], S. Uchida[2], M. Fujita[1], M. Nakatsuka[1] and C. Yamanaka[1]
([1] Inst. for Laser Technology, [2] Tokyo Inst. Technol.)

17B-a4 High voltage pulse application for membrane fouling control systems
Woo-Jin Kim, Ju-Hoon Lee, In Soung Chang and June-Ho Lee (Hoseo Univ.)

17B-a5 Calculation of radiation power emitted from metallic vapor mixed with high temperature argon plasma arc and survival rate of bacillus
T. Suzuki, T. Iwao and M. Yumoto (Musashi Inst. Technol.)

Coffee break (10:40-11:00)

Fundamental Processes of Electrical Discharges (11:00-12:20)

17B-a6 Fundamental characteristics of ice breaking using pulsed power
S. Ihara[1], K. Jinnai[1], C. Yamabe[1] and S. Ushio[2]
([1]Saga Univ., [2]National Inst. of Polar Research)

17B-a7 Brush-like discharge extending from a grounded electrode toward a large-scale charged particle cloud
K. Toki, S. Migita and Y. Higashiyama (Yamagata Univ.)

17B-a8 Relationship between synchronous surface streamers and VUV emission spectra in air, oxygen and nitrogen

Y. Kashiwagi[1], H. Ito[2] and H. Itoh[2]
([1]Kisarazu National College of Technology, [2]Chiba Inst. Technol.)

17B-a9 Influence of pellet shape on performace of packed bed non-thermal plasma reactor
K. Takaki[1], S.Takahashi[1], S. Mukaigawa[1], T. Fujiwara[1], K. Sugawara[2] and T. Sugawara[2]
([1]Iwate Univ., [2]Akita Univ.)

Lunch (12:20-13:20)

Testing and Measuring Techniques (I) (13:20-14:40)

17B-p1 Kerr effect in atmospheric air under ion flow
R. Yasui, N. Shimizu, Y. Suzuki, S. Matsuoka, A. Kumada, and K. Hidaka
(The Univ. of Tokyo)

17B-p2 How to eliminate all of noises existing in optical electric field measurement system
Y. Fukui, K. Okumura and Y. Murooka (Shibaura Inst. Technol.)

17B-p3 Micro sensor for measuring surface discharge phenomena with high spatial resolution
J. Hayashi, H. Yamaguchi, S. Matsuoka, A. Kumada and K. Hidaka (The Univ. of Tokyo)

17B-p4 Optical fiber bragg grating sensor network for smart temperature monitoring of power transformers
Hyoung-Jun Park[1], Minho Song[1], Woo-Jin Kim[2] and June-Ho Lee[2]
([1]Chonbuk National Univ., [2]Hoseo Univ.)

Coffee break (14:40-15:00)

Testing and Measuring Techniques (II) (15:00-16:20)

17B-p5 Study of superconducting fault current limiter using electromagnetic repulsion switch
M. Endo[1], T. Koyama[1] , Y. Takahashi[1], I. Yamaguchi[2], K. Arai[2] , K. Kaiho[1] and S. Yanabu[1]
([1]Tokyo Denki Univ., [2]AIST)

17B-p6 Characteristic of Rogowski electronic CT embedded in MV GIS epoxy spacer insulator
Yong-Moo Chang (Hanyang Univ.)

17B-p7 Corona characteristics of distribution line in contact with bird nest and life estimation of conductor insulation
H. Kuba, T. Fujishima and T. Yamashita (Nagasaki Univ.)

17B-p8 Dry band arc discharge and its predischarge on silicone rubber specimens
K. Haji, D. Shiibara, Y. Yamashita, T. Miyake, T. Sakoda and M. Otsubo
(Univ. of Miyazaki)

Closing Remarks (16:20-16:40) in Room A