

(2) 1996 Korea-Japan Joint Symposium on Electrical Discharge and High Voltage Engineering

The first Korea-Japan Joint Symposium on Electrical Discharge and High Voltage Engineering was held during 31st May - 1st June, 1996 at LG Cable and Machinery Ltd., Kumi City, Korea. It was hosted by the Technical Committee on Electrical Discharge of IEE of Japan (TCED, IEEJ) and the Electrical Discharge and High Voltage Society of Korean IEE (EDHVS, KIEE) and sponsored by IEEE PES Seoul Chapter and LG Cable and Machinery Ltd. and IEEJ.

The symposium was planned to offer an opportunity for the specialists in the field of fundamentals and applications of electrical discharge and high voltage to exchange and share their research achievements and experiences, and to contribute to building a bridge of better friendship among members of IEEJ and KIEE. The idea of organizing this symposium was first suggested by Prof. M. Hara, Chairman of the TCED and Prof. D.C. Lee, a former Vice President of KIEE. Mr. Soo Hong LEE, Chairman of the EDHVS has organized the symposium in Korea based on the suggestion.

The total 121 participants, consisting of 32 from Japan and 89 from Korea, attended the Symposium. Eight invited papers were given in oral and 43 contributed papers were presented in poster. The main subjects discussed in the oral session are as follows: (i) the recent progress in underground power cable technologies such as testing (by Ja Yoon Koo, Hanyang University), diagnostic technique (by Sang Joon Kim, KEPRI),

partial discharge detection (by Kwang-Seok Kim, LG Cable & Machinery Ltd.) and development of 500 kV XLPE cable, 800 kV PPLP OF cable, 500 kV PPLP DC cable and 275 kV GIL (by R. Hata, Sumitomo Electric Industries Ltd.), (ii) new optical techniques for measuring high voltages and electric field by using electro-optic effect (by K. Hidaka, University of Tokyo), and (iii) dielectric performance of SF6 for VFTO (by Chang-Jun Lee, Inha University) and the relevant development of cubicle type GIS (by M. Miyagawa, Toshiba Co.). The poster session was held in the open air where the sun was shining (see a photograph). The 43 contributed papers are classified into the following topics: fundamentals (2), gas discharge (5), surface discharge (2), arc (1), lightning (5), liquid and solid (4), discharge applications (7), measurements and diagnostics (12), and cable and machinery insulation (5).

At the symposium reception, a memorial plaque was presented to Prof. Hara from the EDHVS for his contributions to the start of this symposium. After the symposium, the participants joined technical tours to the Kumi factory of LG Cable and Machinery Ltd. The future of this symposium was discussed by several key members of both countries during the symposium, and the next symposium in Japan was proposed from the Japanese side and accepted by the members.

(By Prof. Kunihiko Hidaka (The University of Tokyo) and Prof. Masanori Hara (Kyushu University))

