
RESEARCH ACTIVITIES AND TECHNICAL EXCHANGES IN ASIAN COUNTRIES

Conference Records

The 7th International Conference on Properties and Applications of Dielectric Materials (ICPADM2003)

The 7th International Conference on Properties and Applications of Dielectric Materials (ICPADM2003) was held in Nagoya, Japan on June 1 through 5, 2003. The first ICPADM was held in Xi'an in 1985 and has been held every three years. The purpose of ICPADM is to provide a forum for researchers, scientists and engineers from all over the world to exchange ideas and discuss recent progress in electrical insulation, dielectric materials, test and measurement techniques, and related problems from basic properties to practical applications. The general chairman of the organizing committee was Prof. T. Mizutani of Nagoya University. Unfortunately, the ICPADM 2003 was very much affected by SARS. The organizing committee had no choice but to give top priority to the safety of the conference participants and regretfully decided not accept attendance of anyone from the SARS affected areas. In spite of the fact that colleagues in China or Toronto could not attend the conference due to SARS, however, there were over 260 participants.

There were 307 papers submitted from 32 countries. The conference started with two memorial lectures. The Liu Ziyu Memorial Lecture was delivered by Prof. W. Boeck of the Institute for High Voltage Engineering and Electric Power Transmission, Technical University of Munich, Germany. The title of his lecture was Solutions of Essential Problems of Gas Insulated Systems for Substation (GIS) and Lines (GIL). The Ieda Memorial Lecture was delivered by President M. Kosaki of Gifu National College of Technology, Japan. The title was Super Electrical Insulation of Polymers in Cryogenic Region.

These were followed by 24 oral sessions and 4 poster sessions, among which 3 were jointly organized with CIGRE Working Groups D1-03 (Gas Insulation) and D1-12 (Materials for DC Applications). The sessions were:

Session 1	GIS
Session 2	Photonics
Session 3	Insulation Diagnosis of GIS & Cables

Session 4	Electronics
Session 5	Environmental Issues
Session 6	New Measurement and Evaluation Methods
Session 7	Partial Discharge
Session 8	Space Charge Measurement
Session 9	Treeing
Session 10	Space Charge Application
Session 11	Ageing and Life Time Estimation
Session 12	Conduction and Breakdown in Solids
Session 13	Asset Management
Session 14	Conduction and Breakdown in Liquids and Gases
Session 15	Insulators
Session 16	Dielectric Phenomena
Session 17	Rotating Machines
Session 18	Thin Films
Session 19	Insulation Diagnosis of Transformers & Rotating Machines
Session 20	Nano-Composites and New Materials
Session 21	Transformers
Session 22	New Insulation Technology
Session 23	Power Cable (Including Recycle)
Session 24	Surface & Interface

Two satellite meetings were also held just before and after the conference. One was CIGRE Workshop on Nanodielectrics organized by Prof. Toshikatsu Tanaka of Waseda University (CIGRE WG D1-16) and was held on June 1 just before the conference. The other was Workshop on Future Electric Power Equipment and Electrical Insulation Techniques organized by Prof. H. Okubo of Nagoya University (CIGRE WG D1-03) and was held on June 6 after the conference.

Three technical tours were organized by the conference. They were to Toyota Motor Corp. (Production Line and Visitor Center), Chubu Electric Power Co. (Advanced Combined-cycle Power Plant & 275 kV XLPE cables) and NGK Insulators, Ltd. (High Voltage Laboratory and Insulator

Plant). The conference banquet was held after the technical tours. At the beginning, Prof. Mizutani, the General Conference Chairman, presented the memorial lecture awards to Prof. Boeck and President Kosaki. This was followed by a presentation of traditional mechanical puppets by a group from Inuyama, a city near Nagoya. The marionettes were 230 years old. The highlight of the show was the puppet climbing up stairs without being manipulated by strings from above. After the presentation, the performers demon-

strated the mechanism of the puppets and how to manipulate them. The banquet ended with President Kosaki teaching the participants the Japanese custom of ending a party by everyone clapping 3, 3, and 4 for three times.

In the International Advisory Committee held during the conference, a ballot was taken and Bali, Indonesia was chosen as the site of the next ICPADM in 2006.



Opening Ceremony (Prof. T. Mizutani, General Chairman)



Poster Session



Presentation of memorial lecture awards to Prof. Boeck and President Kosaki.



The people from Inuyama City explaining the mechanism of 230 year old mechanical puppet.



Clapping hands to end the banquet.



Prof. Suwarno from Indonesia inviting all to the next ICPADM 2006 in Bali.