

**INTERNATIONAL WORKSHOP AND CIGRE MEETING ON
“FUTURE TECHNIQUES FOR ELECTRIC POWER EQUIPMENT”
WITH ICPADM IN NAGOYA**

June 6th, 2003 : Venture Hall, Venture Business Laboratory, Nagoya University
Sponsored by Japan National Committee of CIGRE SC D1 and IEEE Nagoya Section

Dear ICPADM Participants and CIGRE Members:

You are cordially invited to the International Workshop and the CIGRE Meeting of SC D1 WG03 on “Future Techniques for Electric Power Equipment”, to be held on June 6 (Friday), 2003, in Nagoya University, Nagoya, Japan. **No fee is required but please contact to the followings;**

Date:

*CIGRE SC D1 WG03 Meeting : 10:00 - 12:00 June 6 (Friday), 2003
*International Workshop : 13:30 - 17:00 June 6 (Friday), 2003

Venue:

*Venture Hall, Venture Business Laboratory, Nagoya University
Address: Furo-cho, Chikusa-ku, Nagoya, Japan
(Please see the attached map)

Access:

*Metro Higashiyama line from Nagoya Main Station to Motoyama Station
(about 20 min.) and walk 10 min. (Please see the attached map)

Organized by:

Fumihiko Endo (Hitachi Ltd., Japan)
Hitoshi Okubo(Nagoya University, Japan)
*** Co-Chairman of International Workshop and CIGRE Meeting, in Nagoya ***

Please contact:

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**June 6th, 2003 : Venture Hall, Venture Business Laboratory
Nagoya University , Nagoya, Japan**

**Part I : CIGRE D1 WG03 "Insulating Gases" Meeting
10:00-12:00**

1. “Overview of Recent Development of GIS and Related Gas Insulation Study in Japan”
Fumihiro Endo (Hitachi Ltd., Japan)
2. “Situation and Treatment of Environmental SF₆ Problems in Germany”
Wolfram Boeck (Technical University of Munich, Germany)
3. “SF₆ Substitute”
Masafumi Yashima (CRIEPI, Japan)
4. “Area Effect of Breakdown in N₂/SF₆ Gas Mixtures and Its Reflection to Insulation Design of Gas Insulated Bus”
Hiroyuki Hama (TM T&D, Japan)
5. “Diagnosis and Risk Assessment of GIS”
Masayuki Hikita (Kyushu Institute of Technology, Japan)
6. *Discussions*

**Part II : Workshop on Future Electric Power Equipment and
Electrical Insulation Techniques
13:30-17:00**

1. *Plenary talk* : “Future Electric Power Equipment Applying Dielectric Gases”.
Wolfram Boeck (Technical University of Munich, Germany)
2. “New Material Application and Diagnostic Techniques for Gas Insulated Equipment”.
Fumihiro Endo (Hitachi Ltd., Japan)
3. “Degradation Mechanism and its Diagnostic Techniques for Power Transformers”.
Ernst Gockenbach (University of Hanover, Germany)
4. “Future Development of Power Equipment and Electrical Insulation Techniques”.
Hitoshi Okubo (Nagoya University, Japan)
5. “Development and Operating Experience of Long Distance Gas Insulated Transmission Line(GIL)”.
Naoki Takinami (Chubu Electric Power Co., Ltd., Japan)
- *** (Coffee break) ***
6. “Perspectives of the Future Electrical Insulation Techniques for the Power Equipment”.
Michael Muhr (Technical University of Graz, Austria)
7. “Gas Insulated Transformers and Their Electrical Insulation”.
Masahiro Hanai (TM T&D, Japan)
8. “State-of-situation with Gaseous Dielectrics and Emerging Insulation Materials”
Michel Frechette (IREQ, Canada)
9. “Future GIS/GCB and GIL Techniques”.
Uwe Schichler (Siemens, Germany)

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