

PROGRAM
Cryogenic Dielectrics Workshop
Sunday, 16-Oct-05

9:00 AM **Welcome** **Alan Wolsky (Argonne National Laboratory)**

9:05-10:45 AM

M. Gouge USA *Superconducting Grid Applications and Cryogenic Dielectrics*

O. Lesaint France *Prebreakdown and Breakdown Phenomena In Liquid Nitrogen, and Consequences For High Voltage Insulation.*

N. Hayakawa Japan *Partial Discharge Measurement and Characteristics in Cryogenic Electrical Insulation for HTS Power Apparatus*

T. Takahashi Japan *Tests of HT Superconducting Cables*

10:45-11:00 AM **Break**

11:00-12:15 PM

D. Swaffield UK *Cryogenic Dielectrics and HTSC Power Apparatus: Research at the University of Southampton*

M. Nagao and Y. Murakami Japan *Electrical Insulation Performance of Paper-Ice Composite Insulation System at Cryogenic Temperature*

B. Hou China TBA (on the China HTS cable)

12:15-1:30 PM **Lunch**

1:30-3:10 PM

S. Fink Germany *Long-Term High Voltage Tests of the Conductor Insulation of a Superconducting Magnet*

K. Tekletsadik US *High Voltage Design for a 138 kV Superconducting Fault Current Limiter*

S. W. Schwenterly US *AC High Voltage Dielectrics for HTS Transformers: A Work In Progress*

T. Tanaka Japan *Bubble Problems in Liquid N₂ Impregnated Systems--Views from 30 Years Back*

3:10-3:30 PM **Break**

3:30-5:00 PM **Panel**

Alan Wolsky (lead)

Future needs

Steiner Dale

(R&D Director, Engineer, CAPS-FSU)

Naoki Hayakawa

(Research Scientist, Nagoya Univ.)

Swarn Kalsi

(R&D Director, Engineer, motors, American Superconductor)

Sam Mehta

(R&D Director, Engineer, transformers, Waukesha Electric)

Olivier Lesaint

(Research Scientist, CNRS Grenoble)

Bill Schwenterly

(Research Scientist/Engineer, ORNL)

David Swaffield

(Research Scientist/Engineer, Univ of Southampton)

Kasegn Tekletsadik

(Research Engineer, IGC-SuperPower)