

Opening Ceremony (Hall B5)

Chairperson: Haruhiko Obara (AIST)

Opening address 10:00–10:05

Toshihiko Kanayama

Senior Vice-President of AIST

Congratulatory address 1 10:05–10:10

Shin Hosaka

Deputy Director-General, Industrial Science and Technology Policy and Environment Bureau, METI

Congratulatory address 2 10:10–10:15

Shigenobu Watanabe

Director General, Energy Conservation Technology Department, NEDO

Special Talk 10:15–10:35

Reconstruction of R&D for HTS in Japan toward Radical Innovations of Industry

Toshihiko Kanayama (AIST)

Plenary Lectures (Hall B5)

Chairperson: Nobuyuki Sadakata (Fujikura)

PL1-INV 10:35–11:15

Progress in the Development of Nanostructured Coated Conductors in Europe

*Xavier Obradors

Institut Ciència de Materials de Barcelona

PL2-INV 11:15–11:55

Construction and Test of the NHMFL 32 T Superconducting Magnet

*Hubertus Wilhelmus Weijers, W. D. Markiewicz, A. J. Voran, S. R. Gundlach, Y. L. Viouchkov, A. V. Gavrilin, P. D. Noyes, T.A. Painter, B. Jarvis, W.R. Sheppard, G. Sheppard, T.P. Murphy

National High Magnetic Field Laboratory

Lunch Break 11:55–13:20

Chairperson: Mutsuo Hidaka (AIST)

PL3-INV 13:20–14:00

High Pressure Superconductivity in Sulfur Hydride

*Katsuya Shimizu¹, M. Einaga¹, M. Sakata¹, H. Nakao¹, M. Eremets², A. Drozdov², I. Troyan², N. Hirao³, Y. Ohishi³

1. KYOKUGEN, Grad. Sch. Eng. Sci., Osaka University; 2. Max Planck Institute for Chemistry; 3. JASRI

PL4-INV 14:00–14:40

Application of Transition Edge Sensor as an X-ray Spectrometer for Scanning Transmission Electron Microscope

*Toru HARA¹, Keiichi TANAKA², Keisuke MAEHATA³, Kazuhisa MITSUDA⁴, Yoshihiro YAMANAKA⁵, Mutsuo HIDAKA⁶

1. National Institute for Materials Science; 2. Hitachi High-Tech Science Corporation; 3. Kyushu University; 4. Japan Aerospace Exploration Agency; 5. Taiyo Nippon Sanso Corporation; 6. National Institute of Advanced Industrial Science and Technology

Chairperson: Shoichi Honjo (TEPCO)

PL5-INV 14:40–15:20

R&D in Electric Power Devices based on Superconducting Technology in Europe

*Tabea Arndt

Siemens AG, CT REE PEM, Germany

PL6-INV 15:20–16:00

Recent Progress on the Development of Superconducting Technology in Japan

*Michiya Okada

AIST