4th HTS4Fusion Conductor Workshop
Second Announcement

Workshop scope
The “HTS4Fusion Conductor Workshop” focuses on High-Temperature Superconductor (HTS) application to fusion research, especially the magnet conductors. This is the fourth edition and is organized by National Institute for Fusion Science (NIFS) and Tohoku University. The former workshops were held at Karlsruhe (Germany) organized by KIT (2011), Villigen (Switzerland) by CRPP (2014), and Pieve S. Stefano (Italy) by ENEA (2015). The workshop will enable the world research community to present recent developments on the electrical, mechanical and thermal features of HTS large-current and high-field conductors.

Main topics
- Large-Current Conductors for Fusion Magnets
- Coated Conductors Development
- HTS Cable Concepts
- Thermal Stability and Quench
- Mechanical and Electrical Stability
- Joints
- Thermo-hydraulics and Cooling
- AC Losses
- Current Distribution and Shielding
- Modeling
- Irradiation Effects
- Characterization of Conductors
- Large-Current Conductor Test Facilities

International scientific committee
- Nagato Yanagi (Chair, NIFS, JP)
- Satoshi Ito (Co-chair, Tohoku Univ., JP)
- Pierluigi Bruzzone (SPC, CH)
- Walter Fietz (KIT, DE)
- Joseph Minervini (MIT, US)
- Luisa Chiesa (Tufts University, US)
- Antonio della Corte (ENEA, IT)
- Giuseppe Celentano (ENEA, IT)

Local organizing committee
- Nagato Yanagi (Chairman, NIFS, JP)
- Satoshi Ito (Co-chairman, Tohoku Univ., JP)
- Hitoshi Tamura (NIFS, JP)
- Toshiyuki Mito (NIFS, JP)
- Hidetoshi Hashizume (Tohoku Univ., JP)

Important dates
- First announcement: August 15, 2017
- Second announcement and call for abstract: October 28, 2017
- Abstract submission deadline: December 15, 2017
- Notification of abstract acceptance: by December 31, 2017
- Registration deadline: January 21, 2018
- Workshop date: March 21-23, 2018
4th HTS4Fusion Conductor Workshop is held in Nagoya, the largest city in the Chubu region of Japan. The workshop venue is KKR HOTEL NAGOYA, 2 km from Nagoya Station. You can walk to Nagoya Castle in 5 minutes from KKR HOTEL NAGOYA.

Call for abstract

If you would like to make a presentation at this workshop, please submit one page abstract (PDF file) through the registration site (detail of the information is shown in the website of the workshop) by December 15, 2017. Notification of abstract acceptance is sent to authors by December 31, 2017. The workshop committee plans to set only oral session at this workshop. But, poster session is also set in the case of too many applications (presentations).

Registration

If you would like to attend this workshop, please register for the workshop the registration site (detail of the information is shown in the website of the workshop) by January 21, 2018. Participation fee is 10,000 JPY for regular people and 5,000 JPY for students. Lunch (Mar. 21 and 22, 2018) is included in the participation fee, which is planed to be provided at KKR HOTEL NAGOYA (Workshop venue).

Social events

Banquet is planed to be held at KKR HOTEL NAGOYA (Workshop venue) in the evening of Mar. 22, 2018. Banquet fee is 6,000 JPY for one person. Excursion (Technical tour) is planed on Mar. 23, 2018 after the morning session. Lunch (Mar. 23, 2018) during the excursion is included in excursion fee. Excursion fee is 1,000 JPY for one person. Please register and pay for the banquet and the excursion through the registration site by January 21, 2018. The details of the banquet and the excursion are shown in website of the workshop.

Website

Additional information on the workshop and Nagoya is available at the workshop website, “http://www.hts4-fusion-conductor-workshop.acs4.mmrs.jp/” Check in frequently for the updated information.

Contacts

If you have any questions, please send e-mail to "hts4fusion2018@hts4-fusion-conductor-workshop.acs4.mmrs.jp" The e-mail is sent to Nagato Yanagi (Chair, NIFS, JP) and Satoshi Ito (Co-chair, Tohoku Univ., JP)