

Agenda for the IEC-IEEE hybrid open meeting on superconductor electronic devices

Date: 19:00 - 21:00, Thursday, July 27, 2023 (UTC +9. Korea Standard Time(KST))

Place: Daejeon Convention Center(DCC), Yuseong-gu, Daejeon, Republic of Korea
<http://daejeontourism.com/eng/page.do?menuidx=736>

Hybrid: Zoom (the link can be obtained by sending an e-mail to m.ohkubo@aist.go.jp.)

Scope: Based on the guide to IEC/IEEE cooperation, we are formulating standards on superconductor electronics: test methods, device specifications, terms and definitions, and graphical symbols.

<https://www.iec.ch/basecamp/guide-iecieee-cooperation>

https://www.iec.ch/dyn/www/f?p=103:14:4727491539563:::FSP_ORG_ID,FSP_LANG_ID:10904,25

Discussion items

1. Confirmation of the minutes of the IEC General meeting at San Francisco
2. Current status reports for three standards
 - 2-1. IEC 61788-22-1 Generic specification
 - 2-2. IEC 61788-22-2 R_n and I_c of HTS Josephson junctions
 - 2-3. IEC 61788-22-3 SSPD dark count rate
3. Graphical symbols (publicity strategy and new symbols)
 - 3-1. Introduction to IEC quantum project for graphical symbols (M. Ohkubo)
 - 3-2. Proposal of IEEE-IRDS "Cryogenic electronics and quantum information processing". (S. Holmes)
4. Discussion on New Work Item Proposal for SQUIDs (noise measurement method)
 - 4-1. Introduction (M. Ohkubo, 5 min.)
 - 4-2. SQUID noise measurement method of Kanazawa (G. Uehara, Zoom, 10 min.)
 - 4-3. SQUID noise measurement method of StarCryo (R. Canter, 10 min.)
 - 4-4. SQUID noise measurement method of SIMIT (L. You, 10 min.)
 - 4-5. SQUID noise measurement method of IPHT (R. Stolz, Zoom, 10 min.)
 - 4-6. SQUID noise measurement method of Jülich (M. Faley, Zoom, 10 min.)
5. Discussion on New Work Item Proposal for other superconductor devices
6. Other businesses

Documents

1. Agenda (This document)
2. Minutes of IEC General meeting (IEC/TC90 WG14 meeting)