CEC/ICMC 2027 Abstracts & Technical Program

13 June 2027 - 17 June 2027

Knoxville Convention Center

Submission Categories (tracks)

CEC

[CEC-01] Quantum Cryogenics and Ultra-Low-Temperature Systems

[CEC-02] Liquid Hydrogen Technologies

[CEC-03] Space Cryogenics and Propellant Management

[CEC-04] Large Scale Cryogenic Infrastructure and Test Facilities

[CEC-05] Cryocoolers and Compact Refrigeration

[CEC-06] Cryogenic Plants and Industrial Applications

[CEC-07] Industrial Cryogenics

[CEC-08] Cryogenic Components, Safety, Measurement and Control

[CEC-09] Cryogenic Fluids and Thermal Sciences

[CEC-10] Emerging Cryogenic Devices and Applications

[CEC-11] Special Sessions (select only if requested by a committee member to submit)

ICMC

[ICMC-01] LTS and MgB2: Bulk and Wires

[ICMC-02] BSCCO and Iron-Based Materials: Bulk and Wires

[ICMC-03] ReBCO Coated Conductors

[ICMC-04] LTS, HTS, and Cryo-Conducting Cables

[ICMC-05] Thin Films and Multilayers for Microelectronics and RF Applications

[ICMC-06] Flux-pinning and Critical Current

[ICMC-07] Magnetization and AC Losses

[ICMC-08] Insulation & Impregnation Materials, Polymeric Materials

[ICMC-09] Mechanical Properties of Structural Materials for Cryogenic Applications - Processing and Structure Relationships

[ICMC-10] Physical and Transport Properties at Cryogenic Temperatures

[ICMC-11] Materials for Cryogenic Transport, Space, and Propulsion Applications

[ICMC-12] Hydrogen Technology and Compatible Materials

[ICMC-13] Magnet, Power, and Mobility Applications

[ICMC-14] Cryogenic Power Electronics: Materials, Devices and Properties

[ICMC-15] Cryogenic Electronics, Photonics, Sensors and Detectors, Topological Materials

[ICMC-16] Cryogenic Testing Standards, Procedures, and Measurements

[ICMC-17] Special Session (select only if requested by a committee member to submit)