CEC/ICMC 2023 Abstracts & Camp; Technical Program



Sunday 9 July 2023 - Thursday 13 July 2023 Hawaii Convention Center

Submission Categories

CALL FOR SPECIAL & JOINT SESSIONS

The CEC and ICMC Organizers invite the community to propose Special and/or Joint Sessions within the general scope of the Conference. To submit your special and/or joint session proposal, please email the appropriate Program Chairs listed **here** prior to the abstract submission deadline to include the session title and abstract along with the motivation of the special and/or joint session.

CEC Submission Categories

CEC-01 – Large-Scale: Refrigeration and Liquefaction

CEC-02 – Large-Scale: Systems, Facilities and Testing

CEC-03 - Cryocoolers: Non-Aerospace

CEC-04 – Cryocoolers: Aerospace

CEC-05 – Components: Expanders, Pumps, Compressors,

Heat Exchangers, etc.

CEC-06 – Applications: Superconducting Systems

CEC-07 – Applications: Instrumentation, Visualization, and

Controls

CEC-08 – Applications: Cryo-fuels Testing and Logistics

CEC-09 – Applications: Aerospace

CEC-10 – Applications: Quantum Systems and Materials

CEC-11 – Applications: Medicine and Biology

CEC-12 – Fundamentals: Thermal Properties and

Theory/Numerical Studies

CEC-13 – Miscellaneous

CEC-14 – Special Sessions (select only if requested by a committee member to submit your abstract)

ICMC Submission Categories

ICMC-01 - NbTi/Nb3Sn/A15

ICMC-02 – MgB2 Wires and Tapes

ICMC-03 – BSCCO Wires and Tapes

ICMC-04 – REBCO Coated Conductors

ICMC-05 – Flux Pinning and Critical Current

ICMC-06 – LTS and HTS Cables

ICMC-07 – HTS and MgB2 Bulks

ICMC-08 – Fe-based and New Superconducting Materials

ICMC-09 – Modelling and AC Losses

ICMC-10 – Aging/Fatigue of LTS & HTS (e.g., Rotating Machines, Pulsed Magnets, ...)

ICMC-11 - Thin Films, Multilayers, and Artificial Structures

ICMC-12 – Cryogenic Materials Testing and Methods

ICMC-13 – Metallic, Ceramic, Composite and Polymeric Materials

ICMC-14 – Insulation/Conduction, Resins and Impregnation, and Dielectric Properties

ICMC-15 – Thermal, Electrical, and Magnetic Properties, Radiation, Degradation

ICMC-16 – 3D Printed Materials

ICMC-17 – Superconductor Measurements: Mechanical, Electrical, AC Loss and Stability

ICMC-18 – Topological Materials for Electronics

ICMC-19 – Applications: Microelectronics, Photonics, Sensors, Detectors, Computation (Quantum, neuromorphic, others)

ICMC-20 – Applications: Power Electronics, Electric Propulsion, Transportation

ICMC-21 – Applications: Fusion and Accelerator Magnet Technologies

ICMC-22 – Applications: Superconductors in Space

ICMC-23 – Hydrogen Technologies and Compatible Materials

ICMC-24 – Sustainability / Life Cycle Analysis

ICMC-25 – Low Temperature Materials Database (select only if requested by a committee member to submit your abstract)

ICMC-26 – Special Sessions (select only if requested by a committee member to submit your abstract)