

CEC-ICMC 2019 - Abstracts, Timetable and Presentations



Sunday 21 July 2019 - Thursday 25 July 2019

Connecticut Convention Center, Level 6

Submission Categories (tracks)

Authors are requested to submit abstracts and papers that address any aspect of cryogenic engineering and cryogenic materials research. The subject matter should be technically oriented and feature new, original developments in cryogenic engineering and materials.

The abstract submission categories/tracks are as follows:

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, and Heat Pipes

CEC-06 - Components: Superconducting Magnet Systems

CEC-07 - Components: Superconducting RF Systems, Power Cables, and Leads

CEC-08 - Applications: Instrumentation, Visualization and Controls

CEC-09 - Applications: Fuel, Transportation, Medical, and Food

CEC-10 - Applications: Aerospace

CEC-11 - Applications: Safety, Reliability, and Standards

CEC-12 - Applications: Medicine and Biology

CEC-13 - Thermal-Fluid Transport and Properties: Fluids Boiling Above 50 K

CEC-14 - Thermal-Fluid Transport and Properties: Fluids Boiling Below 50 K

CEC-15 - Thermal-Fluid Transport and Properties: Thermal Insulation Systems

CEC-16 - Miscellaneous

ICMC-01 - NbTi/Nb₃Sn/A15

ICMC-02 - MgB₂ Wires and Tapes

ICMC-03 - BSCCO Wires and Tapes

ICMC-04 - REBCO Coated Conductors

ICMC-05 - Fe-based and New Superconducting Materials

ICMC-06 - Thin Films, Multilayers, and Artificial Structures

ICMC-07 - Flux Pinning and Critical Current

ICMC-08 - HTS and MgB₂ Bulks

ICMC-09 - LTS and HTS Cables

ICMC-10 - Superconductor Measurements: Mechanical, Electrical, AC Losses and Stability

ICMC-11 - Metallic, Ceramic, Composite and Polymeric Materials

ICMC-12 - Insulation/Conduction, Resins and Impregnation, and Dielectric Properties

ICMC-13 - Thermal, Electrical, and Magnetic Properties, Radiation, Degradation

ICMC-14 - Cryogenic Materials Testing and Methods

ICMC-15 - Applications: Microelectronics, Photonics, Sensors, Detectors, Computation

ICMC-16 - Applications: Power Electronics, Electric Propulsion, Transportation

ICMC-17 - Special Sessions

ICMC-18 - Special Session on NbTi/Nb₃Sn/A15 in Memory of Professor Kyoji Tachikawa