

Session Program

9-13 Jul 2023



CEC/ICMC 2023 Abstracts & Technical Program

M10r3E: Superconductors in Space

Hawaii Convention Center

Sunday 9 July

16:15

M1Or3E: Superconductors in Space

Session | **Location:** 319B | **Conveners:** Shreyas Balachandran, Chris Kovacs

16:15–16:35

M1Or3E-01: [Invited] Superconductors as Enabling Technology for Space Transportation

Speaker

Dr Matthieu Dalban-Canassy

16:35–16:55

M1Or3E-02: [Invited] Space experiments using superconducting magnet technology

Speaker

Frank Werfel

16:55–17:15

M1Or3E-03: [Invited] Qualification and test of space compatible superconducting current leads (REBCO) designed for adiabatic demagnetization refrigerators

Speaker

Jean-Marc Duval

17:15–17:35

M1Or3E-04: [Invited] Critical current stability of 2G REBCO tape for space-flight HTS leads

Speaker

Ed Canavan

17:35–17:55

M1Or3E-05: [Invited] Design, fabrication and test of high temperature superconducting magnet for heat flux and radio blackout mitigation experiments in plasma wind tunnels

Speaker

Dr Sonja Schlachter

17:55