

Session Program

9-13 Jul 2023



CEC/ICMC 2023 Abstracts & Technical Program

C30r2A: Aerospace Applications III: In-Space Fluids Systems

Hawaii Convention Center

Wednesday 12 July

11:00

C3Or2A: Aerospace Applications III: In-Space Fluids Systems

Session | Location: 314 | Conveners: Mohammad Kassemi, Mark Kimball

11:00-11:15

C3Or2A-01: Transient Liquefaction on the Lunar or Martian Surface Operational Demonstration

Speaker

Wesley Johnson

11:15-11:30

C3Or2A-02: Thermal Modeling of CryoFILL liquefaction tests

Speaker

Dr Ali Kashani

11:30-11:45

C3Or2A-03: A liquefaction model for a cryogenically refrigerated ellipsoidal tank

Speaker

Dr Ali Hedayat

11:45-12:00

C3Or2A-04: Benchmark performance metrics of a vane propellant management device for a 0.15 m³ liquid hydrogen tank

Speaker

Kjell Westra

12:00-12:15

C3Or2A-05: Onboard cryogenic propellant subcooler for launch vehicles using Joule-Thomson Device

Speaker

Kiyoshi Kinefuchi

12:15-12:30

C3Or2A-06: Ground-based Cryogenic Leak Test of Fittings for Cryogenic Fluid Management

Speaker

Mr William Reaves

12:30