

Session Program

9-13 Jul 2023



CEC/ICMC 2023 Abstracts & Technical Program

C4Or1C: Hydrogen V: Aerospace Tanks

Hawaii Convention Center

Wednesday 12 July

10:00

C4Or1C: Hydrogen V: Aerospace Tanks

Session | Location: 317 | Conveners: Jonathan Stephens, Wesley Johnson

10:00–10:15

C4Or1C-01: Model Based Exploration of Physical Parameters for Liquid Hydrogen System Insulation Performance

Speaker

Clément Louriou

10:15–10:30

C4Or1C-02: Impact of Internal Baffle Designs on Liquid Hydrogen Sloshing in Cryogenic Aircraft Fuel Tanks

Speaker

Wolfgang Stautner

10:30–10:45

C4Or1C-03: Vacuum Pump-Down of the Annular Insulation Space for Large Field-Erected Liquid Hydrogen Storage Tanks

Speaker

Adam Swanger

10:45–11:00

C4Or1C-04: Liquid Hydrogen tank chill and no-vent fill prediction using computational fluid dynamics

Speaker

Justin Pesich

11:00–11:15

C4Or1C-05: Basic design of a cryogenic liquid hydrogen pump and of a laboratory-scale test rig

Speaker

Henrik-Gerd Bischoff

11:15