

Session Program

18-22 May 2025



CEC/ICMC 2025 Abstracts & Technical Program

C10r4C - Liquid Hydrogen Storage

Peppermill Reno
2707 S. Virginia St. Reno, NV 89502

Monday 19 May

16:15

C1Or4C - Liquid Hydrogen Storage

Session | Location: Capri 4

16:15-16:30

C1Or4C-01: Validating a thermodynamic model for self-pressurization in liquid hydrogen tanks using novel tank trailer data

Speaker

Mr Christian Wolf

16:30-16:45

C1Or4C-02: Comparison of liquid hydrogen tank performance at different storage pressures and operational scenarios using a reduced-order model

Speaker

Kyle Appel

16:45-17:00

C1Or4C-03: On the Thermodynamic Boundaries of Cryogenic Liquid Storage in Closed Containers

Speaker

Thomas Just

17:00-17:15

C1Or4C-04: Towards Economic Zero Boil-Off Technology for Liquid Hydrogen Storage

Speaker

Harro Beens

17:15-17:30

C1Or4C-05: Development of novel non-vacuum insulation system for large-scale liquid hydrogen storage applications

Speakers

Kun Zhang, Neeharika Rajagiri

17:30-17:45

C1Or4C-06: Thermal and Structural Modification to Repurpose Existing Full Containment (FCT) Liquefied Natural Gas (LNG) Tanks for Liquid Hydrogen (LH2) Storage

Speakers

Shanaka Kristombu Baduge, Amila Premakumara

17:45-18:00

C1Or4C-07: Experimental Study on Thermodynamic Performance and Lossless Storage of a Vehicle-Mounted Horizontal LH2 Tank

Speaker

Chuancong Wan

18:00