

Session Program

22-26 Jul 2024

ICEC29/ICMC2024

Tue-Po-1.6

CICG - GENEVA, Switzerland
Rue de Varembe 17, 1202 Genève

Tuesday 23 July

14:00

Tue-Po-1.6: H2 & LNG 1

Poster Session | Location: Poster area | Convener: Hendrie Derking

Optimized Para Fraction of Liquid Hydrogen for Efficient Liquefaction and Storage

Speaker

Ho-Myung Chang

A study on the scheme of cold energy recovery for compensating liquefaction in liquid hydrogen energy storage

Speaker

Bingming Wang

ANN-CFD synergistic approach for improved predictions of pressure evolution in non-venting self-pressurized liquid hydrogen tanks

Speaker

Dr Anas A. Rahman

Dynamic modelling of catalyzed vapor cooled shield for accelerated chill down of a liquid hydrogen tank during refilling.

Speaker

Liam Turner

Numerical study on evaporation characteristics of LH2 tank during transportation under typical driving conditions

Speaker

Shihao Li

Thermodynamic modeling of mobile cryogenic tanks with a liquid-cooled thermal shield

Speaker

Valeryia Sidarava

A review on determining the equilibrium ortho-parahydrogen ratio

Speaker

Sebastian Eisenhut

Cryo-Compressed Hydrogen Economic Analysis

Speaker

Le Fang

Performance parameters of a compact cryogenic hydrogen test platform

Speaker

Maximilian Grabowski

Numerical Simulation of the Protective Effect of Air Walls on Liquid Hydrogen Leakage

Speaker

Prof. Liqiang LIU

Modeling and dynamic simulation of liquid hydrogen-based low/high pressure hydrogen supply system using EcosimPro

Speaker

Byeongchang Byeon

Numerical modelling of tank motion on heat and mass transfer in liquid hydrogen storage

Speaker

James Wang

Structural design and optimization of cryo-compressed hydrogen storage vessels

Speaker

Kexin Li

Simulation of cryo-adsorptive hydrogen storage performance of type III hydrogen storage tank in a wide pressure range

Speaker

Linlin Gao

Thermodynamic modelling of liquid hydrogen tank warm-up at low fill levels

Speaker

James Wang

16:00