

Session Program

22-26 Jul 2024

ICEC29/ICMC2024

Thu-Or17

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

Thursday 25 July

11:00

Thu-Or17: Hydrogen Liquefaction, Storage and Use 2

Session | Location: Room A | Convener: Fridolin Holdener

11:00-11:15

Cryogenic H₂ for heavy-duty trucks: applying fundamental thermodynamics to solve clean transportation challenges

Speaker

Loic Jeunesse

11:15-11:30

Measurements on the catalytic ortho-parahydrogen conversion using hydrous ferric oxide

Speaker

Sebastian Eisenhut

11:30-11:45

Experimental Investigation of Continuous Ortho-Para Hydrogen Conversion for Hydrogen Liquefaction within the Range of 40-80 K

Speaker

Junjie Teng

11:45-12:00

Trial measurement for para-to-orthohydrogen back conversion under the Fe(OH)₃ catalyst condition at J-PARC cryogenic moderator system

Speaker

Gen Ariyoshi

12:15-12:30

Prediction of pressure evolution with artificial neural network using extended datasets for non-venting liquid hydrogen tanks

Speaker

Anas A. Rahman

12:30-12:45

First commissioning of the ESS cryogenic moderator system using nitrogen and helium

Speaker

Hideki Tatsumoto

12:45-13:00

Structure Design of a Novel Corrugated Membrane for Large-scale Liquid Hydrogen Storage

Speaker

Xinyuan Liu

13:00