Session Program

18-22 May 2025



CEC/ICMC 2025 Abstracts & Technical Program

C3Po1D - Liquid Hydrogen Transfer Components

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

Wednesday 21 May

closed impeller Speaker Ziwei Li C3Po1D-02: Performance improvement of a hydrogen condensation heat exchanger applying intermittent reciprocating flow Speaker Mr Tsuyoshi Shirai C3Po1D-03: Top Load Cryogenic Large Size Ball Valves With Focus on Liquified Hydrogen and Helium Speaker Mr Ander Gabirondo C3Po1D-04: Development of quick connect liquid hydrogen coupler utilizing 3D printing Speakers Alexis Williams, Reagan Dodge C3Po1D-06: Dynamic Characteristics of Transfer Processes in Port-Based Liquid Hydrogen Receiving Terminals Speaker Xinyu Lu C3Po1D-07: Optimization of liquid hydrogen tank-to-tank transfer: A comparate study of six transfer systems Speaker Haoran Gan C3Po1D-08: Stress Distribution and Sealing Performance Analysis of Metal Sea Joints in Liquid Hydrogen Pipelines Speaker Ms Yihan Tian C3Po1D-09: Simulation Study on the Thermal Insulation Performance of Liquid	Speaker Dr Shaolong Zhu C3Po1D-01: Simulation and experiment of a hydrogen pump with an integrated closed impeller Speaker Ziwei Li C3Po1D-02: Performance improvement of a hydrogen condensation heat exchanger applying intermittent reciprocating flow Speaker Mr Tsuyoshi Shirai C3Po1D-03: Top Load Cryogenic Large Size Ball Valves With Focus on Liquified Hydrogen and Helium Speaker Mr Ander Gabirondo C3Po1D-04: Development of quick connect liquid hydrogen coupler utilizing 3D printing Speakers Alexis Williams, Reagan Dodge C3Po1D-06: Dynamic Characteristics of Transfer Processes in Port-Based Liquid Hydrogen Receiving Terminals Speaker Xinyu Lu C3Po1D-07: Optimization of liquid hydrogen tank-to-tank transfer: A comparat study of six transfer systems Speaker Haoran Gan C3Po1D-08: Stress Distribution and Sealing Performance Analysis of Metal Seal Joints in Liquid Hydrogen Pipelines Speaker Ms Yihan Tian	Speaker Dr Shaolong Zhu C3Po1D-01: Simulation and experiment of a hydrogen pump with an integred closed impeller Speaker Speaker Ziwei Li C3Po1D-02: Performance improvement of a hydrogen condensation heat exchanger applying intermittent reciprocating flow Speaker Mr Tsuyoshi Shirai G3Po1D-03: Top Load Cryogenic Large Size Ball Valves With Focus on Liquid Hydrogen and Helium Speaker Mr Ander Gabirondo C3Po1D-04: Development of quick connect liquid hydrogen coupler utilizing printing Speakers
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C3Po1D-10: A novel nozzle design method for hydrogen Turbo-Expanders