

Hydrogen Liquefaction and Storage Symposium

The transport and storage of hydrogen in a liquid state is identified as one of the critical options to develop a hydrogen export industry in Australia. The two day symposium will bring together global and local experts on H₂ liquefaction, natural gas and LNG; mainly to address and share the latest existing research and technologies for hydrogen liquefaction and storage. Invited speakers will address some of the technical issues including liquefaction concepts, operating conditions, para to ortho conversion, boil-off-gas, stratification and safety issues, and the lack of experimental and accurate thermodynamic models.

Invited talks include:

State Government Representative, Australia

Hydrogen Economy in Western Australia: Challenges and Opportunities

Dr Bill Notardonato (NASA; Kennedy Space Centre Exploration Research and Technology Programs)

NASA Experience with Large Scale LH₂

Dr Umberto Cardella (Linde Aktiengesellschaft, Germany)

Hydrogen Liquefaction Technology at Linde

Thomas Funke (Technische Universität Dresden, Germany)

Development of Large-Scale Hydrogen Liquefaction

Dr Jacob Leachman (Washington State University, HYPER Lab, USA)

Understanding the Thermophysical Properties of Cryogenic Hydrogen

Dr Shoji Kamiya (Kawasaki Heavy Industries, Japan)

Development of the Large Scale Liquid Hydrogen Value Chain

Professor Martin Trusler (Imperial College London, UK)

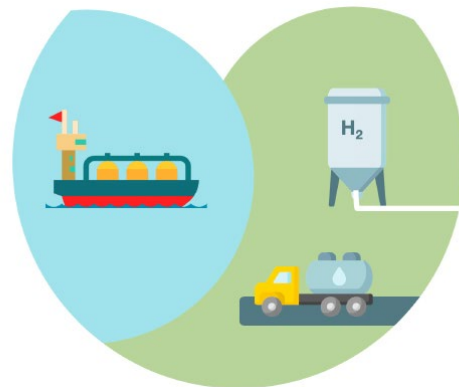
Thermodynamic Principles in Hydrogen Liquefaction Processes

Professor Roland Span (Ruhr Universität Bochum; Germany)

Process Simulation - The Need for Accurate Property Models

Dr Garth Pearce (UNSW, Australia)

Carbon Fibre for Cryogenic Fuel Tank Applications



Event Details

When: Thursday 26th September and Friday 27th September 2019
9am - 5pm

Where: University Hall, 130 Winthrop Ave, Crawley WA 6009

Cost: Free

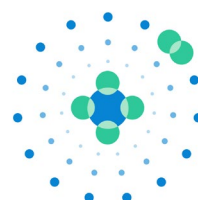
RSVP: saif.alghafri@uwa.edu.au
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Convenors:

Saif Al Ghafri, Eric May, Jill Stajduhar, Stephanie Munro, Michael Johns, Zach Aman and Paul Stanwix

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