



FEnEx CRC News • July 2026



Kwinana Energy Transformation Hub update

The [Kwinana Energy Transformation Hub](#) Training and R&D Facility (Stage 1) has reached lock-up stage with internal fit-out progressing well. The road and carpark surfacing and kerbing have been completed and line marking to commence in two weeks.

This week, the FEnEx CRC Board toured the facility and discussed upcoming work with Fergusons Architects and Western Projects, including landscaping, painting and installation of workstations and furniture. The Board were impressed by the progress of construction and excited about the clean energy training and research opportunities the facility will soon offer. Site handover remains on schedule for September.



Contributing expertise to Politecnico di Milano's new PhD course

At the end of June, FEnEx CRC CEO Professor Eric May joined internationally renowned experts Dr. Karine Ballerat and Dr. Campestrini Marco to share expertise and insights on cutting-edge topics in process thermodynamics as part of Politecnico di Milano's inaugural PhD course, *Process Thermodynamics: Modelling and Applications for Energy Transition*. Conceived by A/Prof Giorgia De Guido from the [GASP](#) research group led by Professor Laura Pellegrini, the course is designed to strengthen graduate students' interest in the fundamental role of thermodynamics in advancing the energy transition.

Eric's one-day short course, *Predicting the Risk of Solids Formation in Energy Production*, made significant use of FEnEx CRC's research outcomes, including the latest version of the software [ThermoFAST](#), released in mid-June. FEnEx CRC has been collaborating with the GASP research group at Politecnico di Milano since 2023, when then PhD student Dr Federica Restelli spent 12 months on exchange at UWA developing dynamic simulations of liquefied hydrogen export terminals.

The results of that research were published at the beginning of 2026 and are available [here](#).



We're seeking our next Chief Operating Officer

We are currently looking for a Chief Operating Officer to join our team and lead core business operations, including governance, financial stewardship, stakeholder engagement, and organisational performance. Working closely with the CEO and Board, the COO will provide strategic and operational leadership, optimise resources, drive business development and research translation outcomes, ensure compliance with Commonwealth funding obligations, and help FEnEx CRC continue to grow its positive impact across Australia's energy sector.

Applications close **Sunday, 2 August 2026.**

Find out more and apply [here](#).

Commonwealth Milestone Reports available for review

FEnEx CRC has completed four Commonwealth Milestone Reports. Ahead of their public release in October, we invite interested Participants to review them. The reports are:

- Simulation of Thermal Stratification, Boil-Off and Rollover in Cryogenic Liquids Experimental
- Design and Construction of Test Rig for Technical Evaluation of Solid-State Hydrogen Storage and Thermal Batteries
- Evaluation of New Architectural and Language Concept Integration, as well as Adaptation of Architectures to Changing Partner Requirements in line with Improvements and Updates in Industry Information Standards
- Attracting, Settling and Retaining Global Talent

Please contact Prof. Eric May at eric.may@fenex.org.au if you would like to provide feedback.

Now open: Round 24 call for project proposals

Do you have a research project proposal or idea and are seeking collaboration with FEnEx CRC Participants? Whether you have a project proposal with a complete budget or just an idea, we'd love to hear from you.

Round 24 is open until **24 August 2026**. Find out all you need to know to apply [here](#).

Latest Publications

- [Large Language Models in Model-Driven Engineering: A Systematic Mapping Study](#)
- [Handling conflicts in consistency management of multilevel models in collaborative Digital Twins modelling environments](#)
- [Adsorption-based hydrogen storage: A Comprehensive review and comparative analysis of cryogenic sorption data](#)

View all FEnEx CRC publications on our website [here](#).

For your Calendar



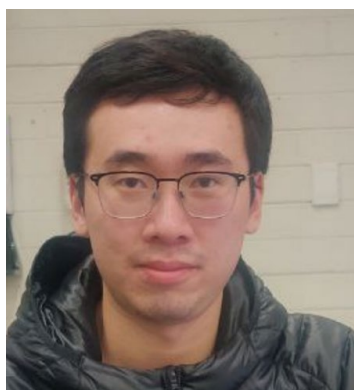
In this month's colloquium, Associate Professor Sima Aminorroaya from The University of Sydney will discuss how the university is collaborating with industry partners POSCO Korea and Giflo Steel Australia to explore how hydrogen affects the mechanical response of individual microstructures in selected alloys.

31 July, 08:45 – 10:00 (AWST)

Hydrogen susceptibility of metallic infrastructure for the hydrogen economy

To register, fill out the contact form on our [Connect](#) page and tick the 'monthly colloquium' box.

PhD Completion



Congratulations to Jiaou Song for completing his PhD, *Equations of State and Kinetic Modelling of Cryogenic Hydrogen Mixtures*.

Jiaou's research explores the complexities of cryogenic hydrogen mixtures, specifically focussing on the homogeneous nucleation rate modelling for cryogenic oxygen and nitrogen using molecular dynamic simulations.



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