i-Hub Summit IV agenda
Tuesday, November 23

The Innovation Hub for Affordable Heating and Cooling (i-Hub) is an initiative led by the Australian Institute of Refrigeration, Air Conditioning and Heating (AIRAH) in conjunction with CSIRO, Queensland University of Technology (QUT), the University of Melbourne and the University of Wollongong and supported by Australian Renewable Energy Agency (ARENA) to facilitate the heating, ventilation, air conditioning and refrigeration (HVAC&R) industry's transition to a low emissions future, stimulate jobs growth, and showcase HVAC&R innovation in buildings.

The objective of i-Hub is to support the broader HVAC&R industry with knowledge dissemination, skills-development, and capacity-building. By facilitating a collaborative approach to innovation, i-Hub brings together leading universities, researchers, consultants, building owners and equipment manufacturers to create a connected research and development community in Australia.

Data Clearing House

12:45-2pm AEDT

TOPIC	PRESENTER / PANELLIST
What is a "Data-Driven Smart Building"?	**Stephen White** IEA EBC Annex 81
Data-driven approaches for fault detection and diagnosis	**Jin Wen** Drexel University (Philadelphia, USA)
A data-driven approach for building controls – DCH5	**Mehdi Seyedmahmoudian** Swinburne University
Making buildings smart: The building onboarding journey – DCH7	**TK Wang** VBIS
Q&A	All presenters, moderated by **Stephen White**

Integrated Design Studios

2.15–3.30pm AEDT

TOPIC	PRESENTER / PANELLIST
Selected learnings QUT – Tropical and sub-tropical	**Wendy Miller** Queensland University of Technology
Selected learnings UoW – Aged care and multiuse facilities	**Georgios Kokogiannakis** Sustainable Buildings Research Centre at University of Wollongong
Selected learnings UoM – Varying by building scale and complexity	**Brendon McNiven** University of Melbourne **Lu Aye** University of Melbourne **Dominik Holzer** University of Melbourne
Translating IDS learning into industry practice	**Brendon McNiven** **Lu Aye** **Dominik Holzer**
Q&A	All presenters, moderated by **Brendon McNiven**

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Living Laboratories

3.45–5pm AEDT

TOPIC	PRESENTER / PANELLIST
Technology evaluation outcomes a. Fernhill Residential Aged Care (LLHC3) – Measured and modelled impact of cellular blinds b. Warrigal Aged Care (LLHC2) – HVAC demand response, wholesale electricity agreement comparison and future plans c. ACT schools (LLS2) – HIVVE results and future plans	**Sherif Zedan** Queensland University of Technology **Daniel Daly** Sustainable Buildings Research Centre at University of Wollongong **Michael Tibs** Sustainable Buildings Research Centre at University of Wollongong
Healthcare sector-wide (LLHC1) – KPIs for reporting health and energy outcomes; progress towards roadmap	**Wendy Miller** Queensland University of Technology
Future sector-wide work a. Healthcare sector: Knowledge sharing task group participation; project extension work b. Schools sector: Project extension work	**Daniel Daly** Sustainable Buildings Research Centre at University of Wollongong
Q&A	All presenters, moderated by **Wendy Miller**

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