

Workshop Australia the 2nd of April 2025,
at The University of Queensland, Brisbane, Australia

**THE CRITICAL ROLE OF HIL AND PHIL SIMULATION IN ADVANCING
THE MODERN GRID**

WORKSHOP AGENDA

Signing up, Networking and Coffee | 09:00 - 09:30 AM

**Welcome Speech and Presentation of Work
at Queensland University**
09:30 - 10:00 AM



Richard Yan
Associate Professor
The University of Queensland

Overview of the impact of OPAL-RT in PHIL and HIL
10:00 - 10:30 AM



Pierre-Francois Allaire
Executive Vice-President
Sales & Marketing
Opal-RT Technologies

**A Decentralized Distribution Network with High Penetration
of Distributed Energy Resources**
10:30 - 11:00 AM



Daniel Eghbal
Manager Future
Network Strategy
Energy Queensland

**Using HIL pre-commissioning to de-risk large-scale
renewable projects**
11:00 - 11:30 AM



Marty Johnson
Senior Power Systems Engineer
EPEC Group

Renewable Integration Challenges in Queensland
11:30 - 12:00 PM



Yu Su
Senior Grid Control Planning Engineer
Powerlink

Lunch & Networking | 12:00 - 01:00 PM

Control and Condition Monitoring for Multilevel Inverter
01:00 - 01:30 PM



Md Liton Hossain
Post Doctoral Fellow
Federation University Australia

**Experimental Cybersecurity Evaluation of
Distributed Solar Inverters**
01:30 - 02:00 PM



Ahmed S. Musleh
Lecturer
UNSW Sydney



**Building the National Facility for Electric Grid Security
and Resilience Research**
02:00 - 02:30 PM



Liz Ratnam
Associate Professor
Monash University

**Using Opal-RT with teaching power electronics based
distributed generation for engineering students**
02:30 - 03:00 PM



Dezso Sera
Associate Professor
Queensland University of
Technology

Closing notes
03:00 - 03:15 PM



Rahul Sharma
Associate Professor
The University of Queensland

Workshop Australia the 2nd of April 2025,
at The University of Queensland, Brisbane, Australia

THE CRITICAL ROLE OF HIL AND PHIL SIMULATION IN ADVANCING THE MODERN GRID

WORKSHOP LOCATION

Room 46-914 | Andrew N. Liveris Building (Building 46) |
Staff House Rd, St Lucia QLD 4067, Australia

Navigating to the Andrew N. Liveris Building (Building 46):

- From UQ Lakes Bus Station or the Ferry Terminal, head northwest towards Staff House Road.
- From Chancellor's Place Bus Stop, proceed south through the campus towards Staff House Road.
- The Andrew N. Liveris Building is situated near the intersection of Staff House Road and College Road.

Entering the Building:

- Use the main entrance on Staff House Road.
- Accessing the 9th Floor:
- Upon entering, locate the elevators and proceed to the 9th floor.
- Exit the elevator on the 9th floor and follow the directional signage to Room 914.

