

WORKSHOP AGENDA

Powering Western Australia with HIL Simulation

8:30 - 9:00AM	Registration, Coffee, and Networking
9:00 - 9:30AM	Dr. Ehsan Pashajavid, Dr. YanYan Yin, Sumedha Rajakurana (Curtin University & GEEP) Welcome speech, Curtin University's main power labs with HIL, advanced HIL at GEEP
9:30 - 9:50AM	Jean Bélanger (OPAL-RT TECHNOLOGIES) Introduction to OPAL-RT and HIL simulation
9:50 - 10:45AM	Alireza Fereidouni, Russell Frost, Reza Bank Tavakoli (AEMO & PowerGie Engineering) Perspectives on the Western grid and challenges of today and tomorrow
10:45 - 10:50AM	Coffee Break and Networking
10:50 - 11:25AM	Dr. Zifan Lin, Xinan Zhang (University of Western Australia) HIL applications for battery energy storage systems
11:25 - 12:15PM	Marie-France Laurin, Zerui Dong (OPAL-RT TECHNOLOGIES) Challenges facing mining, 4DV-SIM and HIL simulation for mining applications
12:15 - 1:15PM	Lunch Break and Networking
1:15 - 1:30PM	Marty Johnson (EPEC Group) Technical deep-dive into HIL commissioning
2:00 - 2:30PM	SM Ferdous (Murdoch University) IBR - Grid following vs. grid forming topology for network stability assessment
2:30 - 3:00PM	Open Discussion for Expert Insights and Participant Questions
3:00 - 3:30PM	Closing session