

Workshop on High Penetration Variable Renewables in Pacific Island Countries: Small grids and Off-grid

7th December 2018 - Colombo Theatres, UNSW
Free, but registration required - register [here](#)

Pacific Island nations have ambitious targets for renewable energy penetration, and have been making significant recent progress towards these goals. There are, however, a number of technical and institutional challenges arising, both in serving remote dispersed off-grid end-users, and as variable renewable energy (VRE) penetration levels increase on what are often relatively small grids.

UNSW Institute for Global Development and the Australian Renewable Energy Agency's Knowledge Sharing Program (Mission Innovation Challenge 2) have provided funding for UNSW, USP and partners CSIRO, IT Power Australia and GSES (Australian RE companies working in the Pacific) to engage with stakeholders to identify key challenges and needs of Pacific Island nations in reaching high RE penetrations.

A workshop will be held in conjunction with the Asia-Pacific Solar Energy Research Conference at UNSW Sydney, 4-6th December 2018.

The aims of the workshop are to:

- Discuss the challenges and opportunities of introducing more variable renewable energy into small grid and off grid contexts in the Pacific
- Hear from a range of invited speakers regarding the status of VRE integration, key challenges and solutions to facilitate high penetration VRE in small grids and improved off grid energy service delivery
- Identify potential future work to address key issues and themes arising in the discussion

Program

10-10:15 **Introduction to the Workshop**, Iain MacGill, CEEM UNSW

10:15-10:45 **Overview of Status and Challenges for RE in the Pacific**, Atul Raturi, USP

Break

11-11:30 **Roadmaps for VRE Upscaling - challenges & issues**, James Hazelton, IT Power Australia

11:30-12 **Utility experience in the Pacific region with high penetration VRE**, Andrew Daka, PPA

Lunch

1-2:30 Panel Presentations and Discussion: Technical Challenges and Opportunities

- Tiaon Aukitino, Kiribati Public Utilities Board
- Saad Sayeef, CSIRO
- Pesalili Tohi, Tonga Power
- Chris Martell, GSES

2:30-3 Panel Presentations and Discussion: Financing Challenges and Opportunities

- Janendra Prasad, Solomon Power
- Anthony Maxwell, Asian Development Bank
- Katerina Syngellakis, GGGI

Afternoon Tea

3:30-4 Panel Presentations and Discussion: Policy Challenges and Opportunities

- Vanda Faasoa Chan-Ting, Ministry of Natural Resources & Environment, Samoa
- Muriel Watt, IT Power Australia
- Helen Hawke, Department of Environment, Australian Government

4-4:30 Conclusions

- Key themes and issues emerging from the workshop, priorities, future work, opportunities for collaboration



UNSW
THE UNIVERSITY OF NEW SOUTH WALES



ITP
Renewables
Consulting | Engineering | Implementation



GSES[®] | global
sustainable energy
solutions