GRID INTEGRATION AND GPS STUDIES OF RENEWABLES IN PSCAD

After the successful launch of the Grid Integration and GPS Studies of Renewables in PSCAD short course in February 2021, we're running the course again in September 2021. In this course, you'll learn about timely and emerging technologies in the power industry. Register today to enhance your career prospects in a field that contributes to the future of energy.

ABOUT THIS COURSE
Delivered in partnership with Electric Energy Society of Australia (EESA), and Vysus Group, this course combines several timely topics in power engineering, and the grid integration of renewable energy resources, such as wind and solar.

The course primarily focuses on power electronic converters, their control, and PSCAD-related National Electricity Rules (NER) clauses in generator performance standards (GPS).

You’ll learn to build and model the components for a grid-connected voltage source converter (VSC) in PSCAD, and then progress into introducing and investigating the PSCAD NER Clauses found within the AEMO Connection Application Checklist.

YOU WILL LEARN
- Fundamentals of grid-following (GFL) and grid-forming (GFM) VSCs
- The components required to build a grid-connected VSC
- Various control techniques of both GFL and GFM systems
- Modelling and control of VSC applications using PSCAD
- Applications of VSCs, including grid forming inverters
- The PSCAD NER Clauses within an generator connection application
- How to frame GPS tests in PSCAD
- Foundational knowledge required for a grid connection engineer
- Generating system performance metrics notably at the point of connection

INDUSTRY INSIGHTS
We're up to date with the latest in the industry. This short course will feature presentations by established grid connection consultants.

In addition, the course features a line up of industry guest speakers, from market operators and consultants, to original equipment manufacturers.

monash.edu

DETAILS
Date: Monday 27 September - Friday 1 October 2021
Delivery: online
Cost: Normal rate $3,300*
EESA member $3,100
Early bird, EESA member and alumni discounts are available.

Apply today

FOR ENQUIRY OR DISCOUNT INFORMATION, PLEASE CONTACT:
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