



Introduction to PSCAD

CONTINUING PROFESSIONAL DEVELOPMENT COURSE:

10-11 DECEMBER 2024 | FACE TO FACE DELIVERY

COURSE OBJECTIVES

This course provides an introduction to the use of PSCAD and EMT modelling for the purposes of undertaking power system transient studies. It has been designed to give participants with little or no experience with PSCAD, the knowledge required to build EMT models of power systems and related components, execute simulations and retrieve results for analysis. After successful completion of the course, participants will:

- Have an understanding of EMT modelling, its benefits and uses within the context of the Australian power system
- Be able to navigate the PSCAD user interface and understand project structuring
- Understand how to build EMT models in PSCAD and execute simulations
- Have the ability to generate outputs from the PSCAD workspace for analysis
- Understand the key components of network modelling for the purpose of undertaking power system studies in the time-domain



UNIVERSITY
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AUSTRALIA



COURSE OUTLINE

DAY 1

- EMT Modelling
- Introduction to the PSCAD Workspace
- Modelling in PSCAD

DAY 2

- Modelling in PSCAD Continued
- Workshop - Transformer energisation study
- Workshop - Fault study with synchronous generator
- Workshop - Connection study of inverter based resource

TRAINING INVESTMENT

The course investment provides for an inclusive industry related training package with course notes, lunches and morning and afternoon tea. The course fee is **AUD\$1770 including GST** per person. Participants may count course hours towards their continuing professional development requirements.

NOTE: Arrangements for accommodation are the responsibility of participants and costs are not included in the course fee.

ABOUT THE SPEAKERS



Jason David is a researcher with the Australian Power Quality Reliability Centre, with a focus on the impact of renewable energy generation connections. His latest research involves reviewing Australian and international harmonic standards and their applicability to systems with high penetration of renewable energy generation. He also has extensive experience in harmonic modelling and compliance assessment within the Australian context.

REGISTRATION

To register please click on the link below:

[Introduction to PSCAD](#)

Note: There is no guarantee that economic participation levels for this course can be achieved. Registrants will be notified 2 weeks prior to course if the course cannot proceed due to insufficient numbers. The program may be changed at any time due to unforeseen circumstances.

If the course cannot proceed for any reason, UOW will not accept liability of whatsoever kind for expenses incurred by any person or corporation with the sole exception of the course investment, which will be refunded in full.

ENQUIRES

Registration enquiries:

Australian Power Quality Reliability Centre – University of Wollongong

Email: pqrc@uow.edu.au

