

AUSTRALIAN POWER QUALITY & RELIABILITY CENTRE

A 1-Day In-House Course on **SOLAR PHOTOVOLTAIC ENERGY SYSTEMS**

Delivered by the Australian Power Quality and Reliability Centre (APQRC) in conjunction with the Sustainable Building Research Centre (SBRC) at the University of Wollongong.



UNIVERSITY OF
WOLLONGONG



No more hassles with travel! Let us come to you – this course will be delivered at your business at a flat rate for up to 25 participants at a time convenient to you.

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS

Solar photovoltaic (PV) electricity generating systems are seen as important components of demand side management and carbon abatement strategies. Installation of solar PV generating systems on domestic residences has been strongly encouraged by state and federal governments through capital expenditure grant schemes and generous feed-in tariff arrangements. Consequently, solar PV penetration levels have increased significantly over the past several years. Experience has shown that high penetration of solar PV systems may have an adverse impact on the power quality levels of the low voltage feeders to which the systems are connected. The major power quality concerns due to high penetration levels of solar PV are steady state voltage control and potential voltage harmonic issues as a result of the inverter systems used as the interface between the solar PV cells and the electricity grid.

This course is designed as an introduction to solar PV generating technology and network integration issues.

BOOKING AND FURTHER INFORMATION:

To book a course or for more information please contact Joanne Robson (APQRC) at University of Wollongong
Phone: (02) 4221 3335 or email: jrobson@uow.edu.au

COURSE OUTLINE

The course will cover all areas of solar PV energy generation and network integration including:

- Solar PV cell technology
- Solar inverter technology
- Standards
- Solar PV network integration

WHO SHOULD ATTEND

The course is designed for engineers, technical officers and other staff working in areas where solar PV generation systems are of interest. No prior knowledge is required.

COST

The course is offered in-house for a flat rate of \$4900 for up to 25 participants. Course costs include lecture material for all participants.

This course may be used to contribute to continuing professional development hours.