

**PhD SCHOLARSHIP**  
**ON**  
**RENEWABLE ENERGY IN POWER GRIDS**  
ARC DISCOVERY PROJECT AT THE UNIVERSITY OF WOLLONGONG

The Australian Power Quality and Reliability Centre (APQRC) at the University of Wollongong (UOW) is seeking a high-calibre candidate to undertake a PhD in cutting-edge Large-scale Renewables in Power Grids in the Australian Research Council (ARC) Discovery Project, “Wide-area Interconnected Clean Energy Highway”.

The APQRC at the University of Wollongong is an internationally recognised centre of excellence which supports research, education and consulting in distribution and transmission system power quality, reliability and renewable energy systems. The focus of the APQRC is to work in conjunction with industry to improve the quality and reliability of electricity supply for the benefit of all consumers. This focus is achieved through education (undergraduate, postgraduate and continuing), research and consulting activities. The APQRC conducts applied research into a wide range of power quality issues including network and equipment performance, monitoring and reporting and standards. Research is also being undertaken in the areas of distribution system reliability and renewable energy system integration.

The PhD candidate will work closely with the world-renowned researchers at the APQRC involved in the project. The candidate will play a key role in planning of high penetration of renewables in power grids that meets the requirements of the project.

Successful applicant will have a bachelor degree with first class honours or master degree in electrical engineering majoring in power engineering discipline. Research experience in computer simulations, modelling and control of grid connected renewables, interconnected power grids, and/or storage system integration with renewables would be extremely beneficial, and will be highly valued during the selection process. The successful candidate will be expected to be able to clearly and concisely report on their research and findings to a number of different audiences, and therefore excellent communication skills are essential.

Applicants must provide a CV, and include a brief cover letter outlining their research interests and provide the names of at least two referees. For further technical information about the project and PhD position, please contact Prof. Kashem Muttaqi at [kashem@uow.edu.au](mailto:kashem@uow.edu.au)

**Stipend:** \$26,500 per annum, tax free.

Search will be continued until position is filled.