

Senior Lecturer/ Associate Professor/ Professor in Electrical Power Engineering

The Faculty of Engineering, Computing and Science (FECS), Swinburne University of Technology Sarawak Campus will be appointing two new high calibre academic staff in the broad area of Electrical Power Engineering starting August 2015.

These appointments aim at further strengthening to the Faculty's research capacity in energy research and its applications. The candidates will be expected to develop and deliver research plans in electrical power engineering to elevate the Faculty's recognised strengths in teaching and research. A strong preference will be given to candidates that possess a good track record in the following thematic areas:

Future Energy Storage: The evolution of electricity grids demand new breakthrough in energy storage. Efficient energy storage helps in balancing the supply and demand of the grid and providing grid stability. Candidates appointed to this area should possess demonstrable strengths in novel high performance electrical machines and drives, battery management systems and off/on-grid energy storage, sustainable and renewable technologies, etc.

Future Energy System: The electrical power networks nowadays see a significant increase and reliance on monitoring and acquisition and big data technologies. This shift is necessary for the networks to cope with the transition to a low-carbon energy future. Candidates appointed to this area should demonstrate strengths in smart grids, microgrids, smart metering, power systems operation and control, and/or other related topics.

The successful candidate will be expected to engage in original research in the thematic areas above, to secure research funding and engage in the management of research projects, to supervise research students. The candidate is also expected to be a part of the teaching team for Electrical Power Engineering and to mentor junior academic staff as well as supervising research higher degree students.

Industrial candidates with a professional engineer status, e.g. CEng, PEng, CPEng, with relevant research experience are also encouraged to apply at Senior Lecturer level.

Informal enquiries can be directed to Associate Professor Dennis Wong, Dean, FECS at dwong@swinburne.edu.my.

Please refer to the [Position Description](#) on our website as it will provide a thorough detail of the job scope as well as the requirement(s) needed for the positions advertised.

The "[How to Apply](#)" section on our website indicates the steps you need to follow. Please download the position description document for your reference. Remember to include a write-up addressing the Key Selection Criteria stated in the Position Description with your application.