

Australia: PhD position in Electric Power Systems Reliability, University of Queensland

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Project title: Reliability and cost benefit assessment of transmission options for connecting large-scale remote power generators to the existing national grid

The Power and Energy Systems Research group at the School of Information Technology & Electrical Engineering, University of Queensland, Australia invites qualified candidates for a full-time PhD position, supported by Queensland Geothermal Energy Centre of Excellence ([QGECE](#)). The expected starting date is March 2010.

The Power and Energy Systems Research group enjoys strong industry collaboration in research both nationally and internationally. The group is a major partner of the Australian Power Institute. The main research is specifically directed at the analysis and prediction of the dynamic behaviour of power systems for reliable and secure operation. The research group is also involved with generation and transmission planning issues in a deregulated electricity market environment. The group is actively working on a number of challenging problems relevant to renewable energy and distributed generation integration to the main national grid. More detail information about the group can be found from its website at: <http://www.itee.uq.edu.au/~pes/>

Qualifications

Candidates are required to obtain an MSc in electrical engineering with speciality in power system reliability. Also, simulation skills such as MATLAB/SIMULINK and basic knowledge of power system simulation packages (Digsilent / PSSE) are required.

Applicants should also have good writing and communication skills in English. Applicants must demonstrate that their current level of English language proficiency meets The University of Queensland's minimum entry requirements. The minimum IELTS and TOEFL scores required for admission to this position can be obtained from the [following link](#).

Application:

The application should contain, a recent CV of the applicant and the Expression of Interest Form from which can be downloaded from [this link](#).

Application should be submitted electronically to m.eghbal@juq.edu.au. The position will be available until an acceptable candidate is identified.