



CENTRE FOR QUANTUM COMPUTER TECHNOLOGY

AUSTRALIAN RESEARCH COUNCIL CENTRE OF EXCELLENCE

3 PhD Positions, School of Physics, The University of New South Wales Quantum Measurement & Quantum Computing

The Centre for Quantum Computer Technology is offering 3 PhD positions in the Quantum Measurement Program, to work on projects related to the fabrication of multiple qubit silicon-based quantum computer devices, via the Centre's top-down strategy. This strategy involves fabrication using electron beam lithography and single ion implantation and readout using radio frequency single electron transistor technology at milli-Kelvin temperatures. Our fundamental research encompasses mesoscopic physics, nanotechnology and few qubit quantum computation. The positions provide extensive opportunities for collaboration with universities in Australia and overseas.

For further details of Centre research see <http://www.qcaustralia.org>. Candidates should have first or upper second class degree or equivalent, in Physics, Applied Physics, Electrical Engineering or a related subject. Applicants with a Masters degree are also encouraged to apply.

Applicants should submit a written application containing a complete resume including telephone numbers, email address and the full contact details of two academic referees to: Professor Robert G. Clark, Director, Centre for Quantum Computer Technology, School of Physics, University of New South Wales, Sydney NSW 2052, Australia.

Email: r.clark@unsw.edu.au