Scholarship Description
A/Professor Linlin Ge is seeking to appoint three (3) PhD scholars to work closely with him and his team on a newly funded ARC Discovery project exploring advanced features of state-of-the-art radar remote sensing satellites in collaboration with Stanford University and NASA Jet Propulsion Laboratory.

Satellite synthetic aperture radar (SAR) remote sensing has been increasingly used to measure ground surface deformation caused by natural and anthropogenic activities such as earthquakes, groundwater extraction, and mining. It is an important tool in safeguarding significant infrastructure. The aims of the project are to develop advanced techniques to further enhance SAR through exploiting polarizations of electromagnetic radiation, incorporating the new wide-area imaging mode, and integrating multi-geometry & multi-source ground displacement measurements. The expected outcomes are a suite of innovative techniques that aim to transform SAR into a robust, cost-effective, large coverage and fully 3-dimensional remote sensing technology capable of frequently monitoring ground displacement.

Applicants of electrical engineering and telecommunications, computer science and engineering, civil and environmental engineering as well as geospatial engineering background are particularly encouraged to apply.

Availability and Payment Information
These scholarships are offered once only. Applications will be open from April 2, 2013 until March 2, 2014. The value of these scholarships are AU$28,000–$33,000 per annum (to students of outstanding research potential), AU$25,000–$30,000 per annum (to the top ranked applicants in the Faculty of Engineering), or AU$24,653 per annum (to the qualified candidates). These awards are to be used for accommodation, research, living expenses and travel. These scholarships are paid fortnightly for the period of 3 years.

Application Details
Citizens of any country can apply. The ARC-Discovery project will be providing scholarships for some students. All prospective students should, however, apply for:
• Australian Postgraduate Award (APA; for Australian and New Zealand citizens and Australian permanent residents) OR
• International Postgraduate Research Scholarship (IPRS; International students).

Suitability for the ARC-Discovery funded scholarships will be assessed in the same way as applicants for APA and IPRS. For more information about these scholarships please go to: http://research.unsw.edu.au/postgraduate-research-scholarships

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