PhD position in Machine learning for quantum estimation and control at University of New South Wales, Australia

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Scientia PhD Scholarship at UNSW: Machine learning for quantum estimation and control

This project aims to develop effective estimation and control methods using machine learning for quantum systems. Benchmarking and controlling quantum systems have been an important task in next generation technology. However, efficient methods for the estimation and control of complex quantum systems are lacking. The project will advance key knowledge and provide effective methods to enable us to identify and control complex quantum systems for wide applications arising in this emerging technological revolution. The research outcomes will make an important contribution to accelerating practical applications of future quantum technology. The scholarship provides the following support:

• Work on high quality research projects with the best supervisory teams in world class environments
• $40K a year stipend for four years
• Tuition fees covered for the full 4 year period
• Coaching and mentoring will form a critical part of your highly personalised leadership development plan
• Up to $10k each year to build your career and support your international research collaborations

More application information could be found at:

http://www.2025.unsw.edu.au/apply/

https://www.2025.unsw.edu.au/apply/scientia-phd-scholarships/machine-learning-quantum-estimation-and-control

If you are interested in applying for the scholarship, please submit your application online, or contact A/Prof Daoyi Dong (d.dong@unsw.edu.au), Dr Hidehiro Yonezawa (h.yonezawa@unsw.edu.au) or Prof Valeri Ougrinovski (v.ougrinovski@adfa.edu.au) by 20 July 2018.