



PhD Scholarship in Water Optimization

The University of Ballarat (UB) is offering a unique opportunity for a research student to undertake PhD studies in water optimization, as part of a recently awarded Australian Research Council (ARC) Linkage Grant with industry partner Grampians Wimmera Mallee Water (GWMWater).



GWMWater is a leading water corporation covering almost a quarter of Victoria's land mass, which includes the driest areas in the State. GWMWater is a progressive company with a strong history of working with research organisations to find better ways to manage the State's water resources.

The student will work with Chief Investigators (CIs) Dr Adil Bagirov and Professor John Yearwood – UB and Professor Bill Moran – University of Melbourne, on this project titled “Integrating dynamic and optimization models for efficient pipeline system operations in an evolving water and energy market”. The PhD student will specifically focus on the development of the optimization model, and provide the evaluation of solutions from the integrated model.

This APAI scholarship covers tuition fees at the University of Ballarat, plus a fortnightly tax-free stipend totaling AUD\$26,140 per year for three years. The student will be based in the Graduate School of Information Technology & Mathematical Sciences at UB's Mt Helen Campus in Ballarat.

Application Process:

- Candidates with a background in mathematics, engineering or applied sciences are encouraged to apply.
- An appropriate Honours 1 or 2A undergraduate degree is required, or alternatively candidates will need to complete a UB Honours Equivalence Form.
- Australian Citizenship is no longer a requirement, under the amended eligibility criteria set out by the Australian Government.
- Prospective students are encouraged to forward their CV to CIs Dr Adil Bagirov a.bagirov@ballarat.edu.au or Professor John Yearwood j.yearwood@ballarat.edu.au
- Formal applications should be submitted to UB's Research and Graduate Studies Office (RAGSO), and can be downloaded from: <http://www.ballarat.edu.au/ard/ubresearch/forms.shtml#PhD>
- Applications close on Friday 7 August 2009.