



UNIVERSITY  
OF WOLLONGONG  
AUSTRALIA

# Smart Sodium Storage Solution (S<sup>4</sup>) Project

## PhD Scholarship

---

The Faculty of Business at the University of Wollongong (UOW) is seeking a high-calibre candidate to undertake a PhD in modelling the economic impact of sodium-ion batteries for renewable energy storage. This research is part of a 4 year, \$10.5m project to develop and demonstrate sodium-ion batteries in residential and utility settings.

The Faculty of Business at UOW is an internationally recognised faculty that provides flexible and innovative educational and research opportunities with strong ties to the business community. We develop professionals, managers and business leaders with critical thinking skills so that they can succeed (and maximise their potential) in their chosen fields. The candidate will be based in the School of Accounting, Economics and Finance with supervisors drawn from the Faculty's Centre for Contemporary Australasian Business and Economics Studies.

The PhD candidate will also work closely with world-renowned researchers at the Institute for Superconducting and Electronic Materials (ISEM), the Sustainable Buildings Research Centre (SBRC), the Australian Power Quality and Reliability Centre (APQRC) and also with industry partners involved in the S<sup>4</sup> Project. The candidate will play a key role in developing an understanding of the costs of bringing sodium-ion battery technology to the market, the economic impact this technology will have on the energy storage marketplace in Australia and worldwide, and will get to see their work influence the development of real-world energy storage systems.

Successful applicants will have a bachelor degree in economics or commerce/business with a major in economics. Demonstrated quantitative and modelling skills and knowledge of energy economics would be extremely beneficial, and will be highly valued during the selection process. The successful candidate will be expected to be able to clearly and concisely report on their research and findings to a number of different audiences, and, therefore, excellent communication skills are essential.

Applicants must address the selection criteria listed below, provide a CV, include a brief cover letter outlining their research interests and provide the names of at least two referees. For further information on the economic, commercial and modelling dimensions relating to the project and PhD position, please contact Assoc. Prof. Charles Harvie ([charvie@uow.edu.au](mailto:charvie@uow.edu.au)), or for technical information about the project, scholarship and application process contact Jonathan Knott ([jknot@uow.edu.au](mailto:jknot@uow.edu.au)).

## KEY DETAILS

### STIPEND:

\$26,682 per annum, tax free – 3 year term. Top-up scholarships may be available for exceptional candidates.

### CLOSING DATE FOR APPLICATIONS:

Open until the position is filled.

### APPLICATIONS:

Applications must address the selection criteria outlined below, and should be sent to:

Assoc. Prof. Charles Harvie ([charvie@uow.edu.au](mailto:charvie@uow.edu.au))

Jonathan Knott ([jknott@uow.edu.au](mailto:jknott@uow.edu.au))

### SELECTION CRITERIA:

Essential:

- Bachelor degree in economics or another degree with an economics major;
- Demonstrated experience in report writing;
- Ability to work independently as well as in a team environment;
- Demonstrated excellent communication skills;
- English language proficiency: IELTS of 6.5 or above or equivalent.

.Desirable:

- Quantitative and modelling skills and a knowledge of energy economics;
- Experience in cost and benefit analysis;
- Experience in economic forecasting.

