



THE UNIVERSITY  
of ADELAIDE



Faculty of Engineering, Computer and Mathematical Sciences

# ARC PHD SCHOLARSHIP – BUILDING DESIGN, WELLBEING AND BUILDING PERFORMANCE

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Up for a challenge? Join us to work on a research project with the School of Architecture & Built Environments

## At a Glance

### Who can apply?

- Australian Citizens
- Australian Residents
- Onshore International students

### Industry partner or funding body

- Australian Research Council through ARC Linkage Grant Scheme
- Uniting Communities

### Program of Study available

- Doctor of Philosophy (PhD)

### Total annual stipend amount

- \$28,854pa min (2022 rate, indexed)
- Plus \$5,000 top-up scholarship from Uniting Communities

### Start date

- Plan for a start date of no later than June 2022.

### About the project

The ARC Linkage Project (LP200300841) will investigate the social benefit of building mixed use vertical communities in the Australian urban context. Using an innovative Social Value Framework, the project will establish and demonstrate the multidimensional impacts of such developments in practice. The project utilises citizen science for real time auditing of the built environment by residents and users, smart technologies

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for environmental and behavioural monitoring, and data analytics and design automation for spatial analysis of building use.

Using an Adelaide case study, UCity, this research opens up an unique opportunity for a PhD project to adopt the data-driven approach to investigating the relationships between building design, wellbeing, environmental performance and social value of mixed use urban developments.

The particular research that the successful PhD candidate will undertake is to investigate the relationships between building design, user behaviours, wellbeing; indoor environment quality, energy and water use, and overall environmental performance; and how these contribute to the social value of the building. The research will be conducted through indoor environmental monitoring, occupant survey, building performance simulation and parametric design modelling.

## Eligibility criteria

- Applicants with background in architecture preferably in combination with building science and/or urban design, and have interests in the social aspects of the built environment will be considered favourably.
- Excellent students who hold at least First Class Honours degree or equivalent, Master of Architecture, or Master of Architectural or Building Science where the program consists of at least 30% research, would be especially suitable and encouraged to apply.
- Applicants with well-developed written and verbal communication skills, research experience, as building modelling skills will be considered favourably.
- Students applying for this scholarship should plan for a start **date later than 30/06/2022**.

## Benefits

- Work alongside world leading researchers
- Our CaRST program: Free professional development to enhance your employability skills
- Exposure to industry networks and experts in the field
- No Tuition fees! These are waived for eligible candidates
- Access state of the art technology
- Make a real and contribute to solving global challenges
- Publish your contributions and impact our communities and society.

## How to apply

- Complete an [expression of interest](#) and email together with a copy of your CV and transcripts to Professor Veronica Soebarto, [veronica.soebarto@adelaide.edu.au](mailto:veronica.soebarto@adelaide.edu.au) by 17 December, 2021.
- Once your initial eligibility assessment is approved, formally lodge an application for admission and scholarship / admission only via the Adelaide Graduate Centre 'How to Apply' [link](#). **Application dates are listed on the website.**

## Researcher Profiles

- Use our [Researcher Profiles](#) to find out more about potential supervisors: Professor Veronica Soebarto and Dr David Kroll.

## More about ECMS

The Faculty of Engineering, Computer and Mathematical Sciences is home to world-class research institutes and centres, and internationally renowned academics at the cutting edge of research and discovery.

We are a thriving centre of learning, teaching and research in a vast range of engineering disciplines, computer science, machine learning and high-level mathematics as well as designing

Human-centred, sustainable futures in our School of Architecture and Built Environments.

Many of our academic staff are leaders in their fields and graduates are highly regarded by employers.

Learn more about the Faculty of Engineering, Computer and Mathematical Science's Research capabilities at: <https://ecms.adelaide.edu.au/research-impact>

**The University of Adelaide is an Equal Employment Opportunity employer. Women and Aboriginal and Torres Strait Islander people who meet the position requirements are strongly encouraged to apply.**

## FURTHER INFORMATION

**For a confidential discussion contact:**

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