



University of
South Australia



Barbara Hardy
Institute

Jian Zuo

Research Profile

Research Area Specialisation

Sustainable built environments via stakeholder engagement through education, training, regulations, legislation and planning.

Contributing to a better and sustainable environment

Construction activities have significant impacts on environment, society and economy. The incorporation of sustainable development principles into construction activities helps to minimise the negative impacts. Jian works closely with stakeholders, engaging them with sustainability measures as one of the effective approaches to achieve sustainable development. Other ways to achieve sustainable development include: effective use of resources, utilising clean energy sources and waste management via reuse, recycle and reduce.

In the future, Jian will expect to see the outcomes of his research into the sustainable built environment applied in practice such as regulations, policies and social awareness. Jian is currently expanding his network of international partnerships to collaborate in publications and joint competitive grants such as the National Natural Science Foundation of China (NSFC).

Research Abstract

Jian is working in the research project called 'Re-considering sustainable building and design: a cultural change approach', funded by the Australian Research Council via ARC Linkage Project scheme.



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*Great Research
into Sustainability*

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CRICOS provider number 00121B

People

- Our researchers are scientists, engineers and social scientists
- We work collaboratively on real-world issues
- Over 100 researchers and 130 research students

Projects

- Multidisciplinary projects focused on sustainability
- We work in partnership with government, industry and academia
- Extensive testing and evaluation services and consultancy expertise
- Our work is underpinned by community participation and education



This project aims to explore the factors leading to the minimization of waste in construction via a holistic approach. Industry is actively engaged for their professional views on effective way of managing construction and demolition waste.

Jian is also one of the Chief Investigators in a research project recently approved by the National Natural Science Foundation of China that aims to investigate how construction firms can be more competitive in the international market. An international benchmarking exercise will be undertaken to develop a best practice framework which will serve as a useful reference for both governments and international contractors.

Research areas of interest

- Sustainable built environment
- Stakeholder engagement
- Corporate strategy and competitiveness

Barbara Hardy Institute

Being a member of the Barbara Hardy Institute allows me to gain access to resources necessary for conducting research. These include the seed funding and potential collaborators.

Keywords to describe Jian's research

- Green building
- Competitiveness
- Stakeholder management
- Cultural and behaviour in construction



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“Awareness among construction stakeholders into sustainability issues is paramount to ensure the use of clean energy sources and correct waste management via reuse, recycling and reduction.”