

PhD studentship (Full-time)



Institution	Xi'an Jiaotong-Liverpool University, China
Department	Department of Urban Planning and Design
Supervisors	Principle supervisor: Dr. Bing Chen (Xi'an Jiaotong-Liverpool University) Co-supervisor: Dr. Cheng Zhang (Xi'an Jiaotong-Liverpool University) Co-supervisor: Prof. Stephen Sharples (University of Liverpool, UK)
Application Deadline	Open until the position is filled
Funding Availability	Funded PhD project (world-wide students)
Project Title	BIM-based Design Strategies for Improving the Overall Quality of Healthcare Environment 基于建筑信息模型（BIM）的、旨在提高医疗环境综合质量的设计策略研究
Contact	Please email Bing.Chen@xjtlu.edu.cn (principle supervisor's email address) and copy doctoralstudies@xjtlu.edu.cn with a subject line of the PhD project title

Requirements:

The candidate should have a first class or upper second class honours degree, or a Master's degree (or equivalent qualification), in Architecture, Building Engineering, Urban Planning and Design, Social Science or a related disciplines (ideally with work experience/qualification or interests in healthcare built environments). Preference will be given to applicants who have knowledge of Building Information Modelling (BIM), and skills of conducting focus groups, interviews and questionnaires, etc. Candidates must have effective communication skills, both written and verbal, report writing skills and experience of delivering presentations.

Evidence of good spoken and written English is essential. The candidate should have an IELTS score of 6.5 or above, or an equivalent qualification, if the first language is not English. This position is open to all qualified candidates irrespective of nationality.

Degree:

The student will be awarded a PhD degree from the University of Liverpool (UK) upon successful completion of the program.

Funding:

The PhD studentship is available for three years subject to satisfactory progress by the student. The award covers tuition fees for three years (currently equivalent to RMB 80,000 per annum) and provides a monthly stipend of 3500 RMB as a contribution to living expenses. It also provides up to RMB 16,500 to allow

participation at international conferences during the period of the award. It is a condition of the award that holders of XJTLU PhD scholarships carry out 300-500 hours of teaching assistance work per year. The scholarship holder is expected to carry out the major part of his or her research at XJTLU in Suzhou, China. However, he or she is eligible for a research study visit to the University of Liverpool of up to three months, if this is required by the project.

Project Description:

This research aims to investigate design strategies for healthcare environment in different contexts (i.e. China, UK, and Iran or other developing countries) from an integrated perspective. Previous research has shown that the healthcare environment has a major impact on patients and staff. As a result, evidence-based design (EBD) principles, basing decisions about the built environment on credible research to achieve the best possible outcome, have been widely used to inform the design of healthcare environment in some developed countries (e.g. USA, UK, Australia). Nevertheless, few studies have been conducted to understand whether (and how) EBD principles are taken into account in the procurement and delivery of healthcare infrastructure in developing countries such as China and Iran. This research intends to provide an insight into this based on a multi-strategy research framework. Findings ought to reflect the latest medical factors that integrate biological, psychological, environmental and social issues, and to recognise evidence-based sustainable design to strengthen healthcare outcomes on one hand and to meet sustainability agendas (such as energy saving and carbon dioxide reductions) on the other. This research also indicates that the further development and implementation of Building Information Modelling (BIM) can help stakeholders to use the evidence in an efficient way and thereby safeguard the overall quality of healthcare environment.

For more information about doctoral scholarship and PhD programme at Xi'an Jiaotong-Liverpool University (XJTLU): Please visit

<http://www.xjtlu.edu.cn/en/admissions/phd.html>

<http://www.xjtlu.edu.cn/en/admissions/phd/feesscholarships.html>

How to Apply:

Interested applicants are advised to email **Bing.Chen@xjtlu.edu.cn** (principle supervisor's email address) the following documents and copy doctoralstudies@xjtlu.edu.cn (please put the project title in the subject line).

- CV
- Two reference letters
- Personal statement outlining your interest in the position
- Proof of English language proficiency (an IELTS score of above 6.5 or equivalent is required)
- Verified school transcripts in both Chinese and English (for international

students, only the English version is required)

- Verified certificates of education qualifications in both Chinese and English (for international students, only the English version is required)

Informal enquiries may be addressed to Dr. Bing Chen (Bing.Chen@xjtlu.edu.cn), whose personal profile is linked below,

<http://academic.xjtlu.edu.cn/upd/Staff/Bing-Chen>