

### PhD studentship (Full-time)

Institution	Xi'an Jiaotong-Liverpool University, China
School	School of Design
Supervisors	Principal supervisor: Dr. Jinglu Song (XJTLU) Co-supervisor: Dr. Bailiang Li (XJTLU) Co-supervisor: Professor Thomas Fisher (UoL) Co-supervisor: Dr. Hyung-Chul Chung (XJTLU)
Application Deadline	Open until the position is filled
Funding Availability	Funded PhD project (world-wide students)
Project Title	Non-optimum temperature-related mortality burden in Suzhou, China: its spatial pattern, associated risk factors and potential effect modifiers.
Contact	Please email <a href="mailto:Jinglu.Song@xjtlu.edu.cn">Jinglu.Song@xjtlu.edu.cn</a> (XJTLU principal supervisor's email address) 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 public health, geo-information science, remote sensing, statistics, urban planning, environmental science or relevant disciplines. Candidates with experiences in quantitative analysis, programming (R or Python), GIS or RS applications are highly recommended. Evidence of good spoken and written English is essential. The candidate should have an IELTS score of 6.5 or above, 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 5,000 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 six months, if this is required by the project.

### **Project Description:**

Due to climate change, extreme temperatures occur much more frequently at present and tend to aggravate health burden globally. A better understanding of the non-optimum temperature-related mortality is therefore critical components of health interventions and climate action plans but the details of its spatial pattern, associated risk factors and potential effect modifiers are still understudied, especially in cities of China. To fill the knowledge gap, this project plans to conduct a series of case studies in Suzhou. Taking advantage of multiple data sources and technologies (GIS, RS, machine learning, etc.), advanced statistical models (i.e. spatio-temporal models, epidemiological models, etc.), this study aims to provide a scientific basis for health interventions and climate adaptation strategies.

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

<https://www.xjtlu.edu.cn/en/admissions/doctoral/entry-requirement-phd/>

<https://www.xjtlu.edu.cn/en/admissions/doctoral/postgraduate-research-scholarships>

### **How to Apply:**

Interested applicants are advised to email [Jinglu.Song@xjtlu.edu.cn](mailto:Jinglu.Song@xjtlu.edu.cn) (XJTLU principal supervisor's email address) the following documents for initial review and assessment (please put the project title in the subject line).

- CV
- Two reference letters with company/university letterhead
- Personal statement outlining your interest in the position
- Proof of English language proficiency (an IELTS score of 6.5 or above)
- 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)
- PDF copy of Master Degree dissertation (or an equivalent writing sample) and examiners reports available

**Informal enquiries** may be addressed to Dr. Jinglu Song ([Jinglu.Song@xjtlu.edu.cn](mailto:Jinglu.Song@xjtlu.edu.cn)), whose personal profile is linked below,

<https://www.xjtlu.edu.cn/en/departments/academic-departments/urban-planning-and-design/staff/jinglu-song>