

PhD studentship (Full-time)



Institution	Xi'an Jiaotong-Liverpool University, China
Department	International Business School Suzhou
Supervisors	Principle supervisor: Ou Liu (Xi'an Jiaotong-Liverpool University) Co-supervisor: Yong Yue (Xi'an Jiaotong-Liverpool University) Co-supervisor: Frans Oliehoek (University of Liverpool, UK);
Application Deadline	Open until the position is filled
Funding Availability	Funded PhD project (world-wide students)
Project Title	Research on a Big Data Analytics Framework for Fraud Management 关于大数据分析在欺诈风险管理中应用的研究
Contact	Please email owen.liu@xjtlu.edu.cn (principal 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 information management, information systems or computing-related subject. 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:

Fraud management is an important task in business companies. It helps to prevent catastrophic loss, protect investors' and customers' interests, and ensure the company's profit. In current E-business environment, Internet and mobile platforms bring millions of transactions and create huge volume of data every day, which dramatically increases the difficulty of fraud management using traditional methods. There is an urgent need for an integrated framework based on big data technology to analyse the large volume of business data and find out clues for fraud management. This project aims at proposing a big data analytics framework for fraud management, including the detection, response and prevention of potential frauds. It involves supporting technologies (e.g., data mining, business analytics) for analysing users' behaviour and patterns, and business policies/procedures for fraud management and risk control. Its effectiveness and efficiency will also be tested by simulations and empirical study with operational data.

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/feescholarships.html>

How to Apply:

Interested applicants are advised to email owen.liu@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. Ou LIU (owen.liu@xjtlu.edu.cn), whose personal profile is linked below,

<http://www.xjtlu.edu.cn/en/departments/academic-departments/international-business-school-suzhou/staff/ou-liu>