

PhD studentship (Full-time)



Institution	Xi'an Jiaotong-Liverpool University, China
Department	Department of EEE
Supervisors	Principle supervisor: Dr Xiaobo Jin (XJTLU, Department) Co-supervisor: Professor Kaizhu Huang(XJTLU, Department) Co-supervisor: Professor Yi Huang(UoL, Department)
Application Deadline	Open until the position is filled
Funding Availability	Funded PhD project (world-wide students)
Project Title	Large-scale Relevance Search Research
Contact	Please Xiaobo.jin@xjtlu.edu.cn (XJTLU principal supervisor's email address) with a subject line of the PhD project title

Requirements:

The candidate should have : (1) a first class or upper second class honours degree, or a master's degree (or equivalent qualification); (2) solid mathematical background and strong programming skills in python or C/C++ (good research experience is preferred); (3) strong motivation and passion for conducting research and publishing papers. 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 three months, if this is required by the project.

Project Description:

Relevance search is an important part of e-commerce site, which is widely applied in our daily life. Learning to rank algorithms are currently one of the hot relevance research issues. However, the following questions are urgently needed for relevance search: (1) how to design a more efficient and scalable offline learn to rank algorithms; (2) how to combine the semantic information of the image and the text of the objects to achieve a more accurate relevance search; and (3) how to design an online learn to rank algorithms to reflect changes in the real-time search. In order to satisfy the requirements of the relevance search, we will explore the efficient offline learning to rank algorithms, learning to rank with the deep semantic of image and text and real-time online learning to rank algorithms. The successful accomplishment of the project will enrich and develop the theoretical and application research on learning to rank, as well as improve effectively.

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

<http://www.xjtlu.edu.cn/en/study-with-us/admissions/entry-requirements>

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

How to Apply:

Interested applicants are advised to email Xiaobo.Jin@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. Jin (Xiaobo.Jin@xjtlu.edu.cn), whose personal profile is linked below,

<https://www.xjtlu.edu.cn/en/departments/academic-departments/electrical-and-electronic-engineering/staff/xiaobo-jin>