

PhD studentship (Full-time)



Institution	Xi'an Jiaotong-Liverpool University, China
Department	Department of Computer Science and Software Engineering
Supervisors	Principal supervisor: Dr. Lingyun Yu (XJTLU, Department of Computer Science and Software Engineering) Co-supervisor: Dr. Hai-Ning Liang (XJTLU, Department of Computer Science and Software Engineering) Co-supervisor: Prof. Dr. Floriana Grasso (UoL, Department of Computer Science)
Application Deadline	Open until the position is filled
Funding Availability	Funded PhD project (world-wide students)
Project Title	Interaction Techniques for Visual Storytelling
Contact	Please email Lingyun.Yu@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 Computer Science / Computer Engineering / Electronic Information Engineering or a closely related area.

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 99,000 per annum) and provides a monthly stipend of about 3,400 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:

The motivation behind the project is the pressing need to interact with big 3D datasets and to provide tools to domain experts so that they effectively communicate their research insights. The amount of data produced by imaging systems is growing in size and complexity. Domain experts are analyzing and discussing the data, extracting useful information and insights. Especially, in the medical and astronomical domains 3D datasets are the norm, presenting additional challenges in terms of visualization and interaction for these domain experts. Moreover, clear presentation and successful communication of the results is essential for sharing the domain experts' understanding. Here, visual storytelling, based on creating visual stories from data, provides an effective communication solution. This project aims to address these exploration and communication challenges by developing effective interaction techniques for exploring 3D data and for creating data-driven stories.

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 Lingyun.Yu@xjtlu.edu.cn 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. Lingyun Yu (Lingyun.Yu@xjtlu.edu.cn), whose personal profile is linked below,

<https://www.xjtlu.edu.cn/en/departments/academic-departments/computer-science-and-software-engineering/staff/lingyun-yu>