PhD studentship (Full-time)

Institution	Xi'an Jiaotong-Liverpool University, China
School	School of Advanced Technology
Supervisors	Principal supervisor: Professor Zhijie XU (XJTLU) Co-supervisor: Dr. Yushan Pan (XJTLU) Co-supervisor: Professor Chenguang Yang(UoL)
Application Deadline	Open until the position is filled
Funding Availability	Funded PhD project (world-wide students)
Project Title	Field Dynamics-Driven Multimodal Sentiment Analysis Framework for Edge Integration, Interpretation, and Intelligence
Contact	Please email Zhijie.Xu@xjtlu.edu.cn (XJTLU principal supervisor's email address) with a subject line of the PhD project title. The principal supervisor's profile is linked here: http://www.xjtlu.edu.cn/en/faculty/ZhijieXu

Requirements:

A Master's degree with Merit or above is required for PhD admissions (UK system). Applicants holding a degree from 985/211/Double First-Class Universities and those with publications are particularly encouraged. Top-tier publications and/or relevant industrial experience are considered advantageous. Candidates holding only a Bachelor's degree and having less than five years of work experience will not be considered for this project.

Evidence of good spoken and written English is essential. The candidate should have an IELTS (or equivalent) 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). It also provides up to RMB 16,500 to allow participation at international conferences during the period of the award. The scholarship holders are expected to conduct the majority of their

research at XJTLU in Suzhou, China. However, they may apply for a short-term research visit to the University of Liverpool if the project requires it.

Project Description:

In today's digital age, we are constantly surround by a vast amount of information in various forms-text, images, audio, and video. This project is all about creating a smart system that can understand and analyse people's feelings and opinions from this diverse data, in real-time and right at the source, which we call the 'edge.' By using a unique approach inspired by the way fields interact in physics, we aim to make this system not only efficient but also easy to understand and interpret. Thus, this project will be a game-changer for applications in various industrial scenarios. The aim of the project is twofold:

1. Leverage the principles of field dynamics to innovatively design machine learning models for the multimodal analysis framework.
2. Develop a system capable of processing various data types, such as text, images, audio, and video, to discern people's sentiments about specific topics.

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/global/entry-requirements/

https://www.xjtlu.edu.cn/en/admissions/global/fees-and-scholarship

How to Apply:

Interested applicants are advised to email zhijie.xu@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 formal reference letters
- Personal statement outlining your interest in the position
- Certificates of English language qualifications (IELTS or equivalent)
- Full academic 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