

PhD studentship (Full-time)



Institution	Xi'an Jiaotong-Liverpool University, China
Department	Department of Computer Science and Software Engineering
Supervisors	Principal supervisor: Dr. Hai-Ning Liang (XJTLU, CSSE) Co-supervisor: Prof. Man-Keung Fung (JITRI, IOO) Co-supervisor: Dr. Jieming Ma (XJTLU, CSSE) Co-supervisor: Dr. Ian Sandall (UoL, EEE)
Application Deadline	Open until the position is filled
Funding Availability	Funded PhD project (world-wide students)
Project Title	Novel OLED Pixel Driving Circuit Design
Contact	Please email haining.liang@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, Electrical and Electronic 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

This PhD project is a collaborative research project between XJTLU (<http://www.xjtlu.edu.cn>) and JITRI (Jiangsu Industrial Technology Research Institute) Institute of Organic Optoelectronics, both of which locate at Suzhou, China. The student will be registered as an XJTLU PhD student but is expected to carry out the major part of his or her research at the Institute. Tripartite agreement will be signed among student, XJTLU and institute.

The PhD scholarship 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 an annually stipend at a standard around 50,000 RMB as a contribution to living , meal and accommodation allowance.

Project Description

Silicon-based OLED micro-display technology is an important branch in the field of display technology. The purpose of its research is to develop high brightness and low power silicon-based OLED micro-display chips through innovative design of OLED materials and devices, and to provide high-quality display technology solutions for near-eye display applications. At present, OLED micro-display technology is becoming more and more mature, and the industrialization process is accelerating. It is penetrating into the low, medium and high-end application market. It is hopeful that OLED micro-display technology will completely replace the existing LCD products in the future. The successful implementation of this project will directly improve the performance and market competitiveness of silicon-based OLED micro-display chips, and at the same time will produce abundant related technical achievements in the field of silicon-based OLED micro-display, which is of positive significance to enhance China's core competitiveness and supply capacity in the field of display technology and hardware. High-performance silicon-based OLED microchip will greatly enhance the experience of virtual augmented reality applications and accelerate their marketization.

How to Apply

Informal enquiries may be addressed to Dr. Hai-Ning Liang (haining.liang@xjtlu.edu.cn), please find Dr. Liang's personal profile [here](#).

Applicants are required to prepare the following documents to upload onto the [online application system](#) to submit formal application.

- [Research proposal](#)
- Full academic transcripts of university studies and grading system (both bachelor and master)
- University degree certificate or enrollment statement (both bachelor and master)
- Verification report of degree certificate (Chinese students only, both bachelor and master)
- A copy of Master dissertation (or an equivalent writing sample) and examiners reports if applicable
- Certificates of English language qualifications
- Personal statement
- Two formal reference letters
- A copy of your passport (for international students only)

For more information about the application of doctoral scholarship and PhD programme at Xi'an Jiaotong-Liverpool University (XJTLU), please visit:

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