



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Lecturer in Computer Science (Teaching and Research or Teaching and Scholarship), Faculty of Engineering and Physical Sciences



Salary: Grade 8 (£51,753 – £59,966 p.a.)

Reporting to: Pro-Dean of the Joint School / Head of School of Computer Science

Reference: EPSSJ1005

We are open to discussing flexible working arrangements

Lecturer in Computer Science (Teaching and Research or Teaching and Scholarship),

Faculty of Engineering and Physical Sciences and SWJTU – Leeds Joint School, Chengdu, China.

The University of Leeds and Southwest Jiaotong University have established the SWJTU – Leeds Joint School at the SWJTU campus in Chengdu, China. Having launched and delivered 7 undergraduate taught programmes (in Computer Science, Civil Engineering with Transport, Chemical Technologies, Electronic and Electrical Engineering, Industrial Design, Materials Science and Engineering, and Mechanical Engineering), and a PhD programme, both universities now wish to grow the Joint School to deliver further Undergraduate and Masters programmes, and establish a thriving research and student exchange community.

We are looking to recruit an enthusiastic and motivated individual with interests in teaching with research or scholarship, and disciplinary expertise in Computer Science, particularly in **Computer Systems and/or Distributed Systems**. We are looking for the knowledge, experience and creativity needed to apply innovative modes of course delivery in Chengdu, China. If you are interested in research, you will also be looking to build your research career internationally, exploring relationships and partnerships in Chengdu with a view to developing a collaborative research portfolio.

To achieve this, you will split your time between SWJTU and Leeds, and will be required to work full time in Chengdu over approximately 2 teaching semesters per year (20 weeks). As well as delivering your course materials, this extended stay in Chengdu will allow you to develop your scholarship or research ideas and the strong relationships you'll need to start international collaborations, feeding this through into your teaching practice and improving the student experience.

With this ability to collaborate effectively and to motivate and inspire learners, you will become a valued academic member of the SWJTU – Leeds Joint School, where you will create and lead innovation in education and research and help introduce new forms of learning.



About Leeds University and the Joint School

The Joint School is based in the Faculty of Engineering and Physical Sciences at Leeds University, a leading research-intensive Russell Group institution. Undergraduate students at the Joint School study 4-year Bachelor degrees, with a common first year that focuses on core study skills and knowledge in English (including development of language skills and technical skills in mathematics and physics). From year two onwards students study specialist modules based around their choice of major (Computer Science, Civil Engineering with Transport, Chemical Technologies, Electronic and Electrical Engineering, Industrial Design, Materials Science and Engineering, and Mechanical Engineering). All study and all teaching and assessment is in English, mirroring the Leeds' syllabus for each degree programme, supplemented by additional material. The Joint School is committed to outstanding teaching and research across the natural sciences, engineering and technology.

What does the role entail?

As a Lecturer (Teaching and Research or Teaching and Scholarship), your main duties will include:

Education

- Delivering education at different levels on undergraduate and postgraduate taught courses and taking part in other teaching activity, including promoting and developing student competencies related to enquiry and research, core to a research-based education;
- Providing support and guidance to students, providing timely feedback, acting as a personal tutor, resolving issues and/or referring to specialist parties, where appropriate;
- Establishing and maintaining expertise at the forefront of your field/disciplinary area and incorporating this into your teaching;
- Forming part of a community across the Joint School, UoL and SWJTU, taking part in regular events, sharing good practice, and working collaboratively with project teams across the Joint School and partner institutions;
- Contributing to the planning, design, development, delivery and review of learning units (modules, programmes) within relevant subject areas;



- Playing an active part in the development and adoption of teaching and learning practice in the Joint School;
- Contributing disciplinary pedagogic expertise and experience to areas of the curriculum, facilitating and encouraging colleagues to think creatively and innovatively about development of teaching and learning practice;
- Taking a leading role in the development of teaching and learning practice in the Joint School.

Scholarship

- Undertaking research-led teaching at different levels at the Joint School in Chengdu, including assessment and examinations and contributing towards module design, review and quality assurance mechanisms;
- Contributing to the production of high-quality and innovative learning materials and resources to support learning and teaching;
- Contributing to the development of innovative approaches to teaching and learning;
- Conducting other scholarship activities such as: investigating barriers to attainment; creating open education resources, contributing to textbooks; and other priorities agreed with the Pro-Dean of the Joint School and Head of School of Computer Science;
- Contributing to pedagogic research and/or the development of teaching policy and practice, **OR**

Research

- Promoting the integration of your own research area with other research interests within the Joint School and the partner institutions;
- Developing research ideas, relationships and proposals with colleagues across the Joint School and both partner institution, leading to active research collaborations and attracting research funding collaboratively, high quality research programmes and a record of high quality publications of national and international impact;
- Contributing to pedagogic research and/or the development of teaching policy and practice, disseminating findings/developments across the wider academic or professional community.
- Providing research supervision and helping to attract students to the Joint School.



General

- Contributing effectively to the administrative processes and committee structures of the Joint School.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As a Lecturer (Teaching and Research or Teaching and Scholarship), you will have:

- An undergraduate degree and PhD or equivalent experience;
- An ability to deliver excellent student education through the use of English as a medium of instruction;
- A lively approach and an ability to engage the interest and enthusiasm of students and inspire them to develop as independent learners;
- A strong interest or experience in international teaching, international culture or working abroad;
- An eagerness to work across the Leeds and Chengdu campuses, living, teaching and developing research/scholarship relationships in China for extended periods of time of around 20 weeks (as a single stretch or across two periods);
- **For Research**, a research profile which complements one of the existing research strengths of the School of Computer Science, in particular we are looking for someone with expertise in **Computer System and/or Distributed Systems**, but we welcome applications from candidates with research expertise in other fields of Computer Science.
- **For Research**, an ability to contribute to and develop interdisciplinary collaborative research projects in a broad range of areas;
- **For Research**, a successful record of producing research outputs and obtaining external research funding commensurate with career stage with the potential for obtaining further funding in the future **OR**;
- **For Scholarship**, evidence of contributing to teaching and learning policy and practice within a school/department (or equivalent), discipline or subject area, including experience of module/programme review and enhancement;



- Exceptional communication skills with the ability to collaborate with peers and inspire your students and colleagues alike;
- Experience of using effectively digitally enabled approaches to learning in a Higher Education or related environment;
- An ability to contribute to management and administrative processes and structures, including managing resources and/or staff.

Additional information

Faculty Information

Further information is available on the research and teaching activities of the [Faculty of Engineering & Physical Sciences](#).

About Southwest Jiaotong University

Southwest Jiaotong University (SWJTU), founded in 1896, is one of the oldest institutions of higher education in China. In its proud legacy of 130 years, the University has been dedicated to Chinese higher education and has proudly nurtured generations of engineering and scientific leaders. As the most comprehensive leading research university in transportation, SWJTU is world-renowned for pioneering the Chinese railway transportation engineering industry, and for its leading contributions to the development of the Chinese high-speed rail system.

For its sustained excellence and prominence, the University is not only selected in the country's construction plan world class universities and first-class disciplines, but also placed among the key, elite multi-disciplinary "211", "985" and "2011 project" Rail transportation project superior discipline innovation platform) Tier-1 universities equipped with graduate schools which is directly administered by the Chinese Ministry of Education. SWJTU offers comprehensive education and research programs in 26 faculties and institutes/centres covering diverse disciplines in engineering, sciences, arts, and management ranging from undergraduate to doctoral degrees.

Located strategically in Chengdu, the capital of Sichuan Province – the dynamically growing West of China, SWJTU is blessed with rich heritage, unparalleled vibrancy and a beautiful campus. Chengdu has long been renowned for its historical and cultural heritage, and for its natural beauty and abundance. As a major cultural and economic centre and transportation hub, the City offer a first-class cultural experience, education, employment, cuisine and living environment. Moreover, with the help of the "Belt and Road" and innovation-driven development strategy, the development of



Western China is being pushed forward. Thus, Chengdu has become a national centre city, and international innovation centre and an international gateway hub city. Leveraging these unique advantages and the University's strengths, SWJTU is vigorously implementing its strategic plans of "Developing and Strengthening SWJTU: Attracting and Cultivating Talents" and building a world-class university with first-class disciplines.

A diverse workforce

As an international research-intensive university, we welcome students and staff from all walks of life and from across the world. We foster an inclusive environment where all can flourish and prosper, and we are proud of our strong commitment to student education. Within the Faculty of Engineering and Physical Sciences we are dedicated to diversifying our community and we welcome the unique contributions that individuals can bring, and particularly encourage applications from, but not limited to Black, Asian and ethnically diverse people; people who identify as LGBT+; and people with disabilities. Candidates will always be selected based on merit and ability.

The Faculty of Engineering and Physical Sciences are proud to have been awarded the Athena SWAN [Silver](#) Award from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more information.

Working at Leeds

We are a campus-based community and regular interaction with campus is an expectation of all roles in line with academic and service needs and the requirements of the role. We are also open to discussing flexible working arrangements. To find out more about the benefits of working at the University and what it is like to live and work in the Leeds area visit our [Working at Leeds](#) information page.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.

Criminal record information

Rehabilitation of Offenders Act 1974



A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page

