TITLE OF POST: Associate Professor B/Assistant Professor in Software Engineering ISE (2 Positions)

LOCATION: University of Limerick

REPORTS TO: Head of Department

CONTRACT TYPE: Associate Professor B – Permanent
CONTRACT TYPE: Contract Type: Tenure Track (five year fixed term). During the term of the contract the successful applicant will have the opportunity to apply for tenure in accordance with the University's Policy and Procedures for Granting Multi-annual Status to Tenure Track Academic Staff

SALARY SCALES: Associate Professor B: €59,507 - €95,366 p.a.
Assistant Professor: €44,870 - €61,325 p.a.

Academic staff who currently hold a Tenure Track contract with the University of Limerick, or who have previously held a Tenure Track contract with the University of Limerick, are not eligible to apply for another Tenure Track position.

The University of Limerick supports blended working

JOB DESCRIPTION

The CSIS Department is one of ten departments in the Faculty of Science and Engineering at the University of Limerick. Our teaching and research activities focus on a wide variety of digital disciplines including human centred computing, music technology, software engineering, software localisation, and bio-inspired intelligent systems.
We offer a variety of undergraduate and postgraduate programmes covering a multitude of computing related areas, along with undergraduate programmes in Computer Systems, Interactive Systems and Computer Games Development. We also offer a number of long-established postgraduate programmes from Masters to PhDs.

The Department holds a Bronze Athena SWAN award with a submission currently under assessment for a Silver Award. We are actively committed to implementing a range of actions to engender significant change in the gender profile of the Department. We strongly encourage staff to avail of university-led work/life balance initiatives and are proactive in mainstreaming such initiatives within the Department.

QUALIFICATIONS:

• Doctoral degree (Level 10 NFQ) in software engineering/computer science or related discipline.

OVERALL PURPOSE OF THE JOB:

The post holder will work as a member of the team responsible for the design and delivery of the new ISE undergraduate/master's degree programme in the CSIS department and work to further the Department's strategic objectives in software engineering/computer science. ISE is a hub of creativity and collaboration, known for its commitment to redefining education in the digital age. As a studio-based teacher, you will have the opportunity to shape the future of education in an environment that values experimentation, collaboration, and real-world application. In addition, the post holder will be supported and will play a vital role in enhancing UL's research culture, as well as bolstering the research capacity and output of Lero, the Science Foundation Ireland Research Centre for Software". Lero brings together expert software teams from universities and institutes of technology across Ireland in a co-ordinated centre of research excellence with a strong industry focus. Lero's research spans a wide range of subjects including software engineering, information systems and human-computer interaction in areas such as driverless cars, artificial intelligence, cybersecurity, fintech, govtech, smart communities, agtech and healthtech.

As a key member of our ISE faculty, you will:
- Have excellent communication and interpersonal skills, with the ability to collaborate effectively with students, colleagues, and external stakeholders.
- Design and deliver studio-based courses, emphasising experiential learning and project-based exploration.
- Foster a dynamic and interactive learning environment that encourages creativity and critical thinking.
- Mentor students as they tackle real-world challenges and develop innovative solutions.
- Contribute to the supervision of undergraduate and both taught and research postgraduate students' research projects.
- Be expected to make a substantial contribution to UL's research culture and the research capacity and output of the research centre: Lero (The Irish Software Research Centre).

Essential Criteria: Assistant Professor

- Doctoral degree (Level 10 NFQ) in software engineering/computer science or related discipline.
- A developing publication profile and/or industry experience.
- Evidence of relevant research or industry experience, in one or more of the following areas: Computer Science Education, Software Engineering, Computer Vision, Natural Language Processing (NLP), Databases and Information Retrieval, Computer Networks and Security, Artificial Intelligence, Software Design, Software Evolution, Empirical Software Engineering, Agile Methods (Scrum).
- Excellent oral/written communication skills.
- Evidence of third-level teaching experience, within the discipline of software engineering or computer science.
- Knowledge of programming language (for example C#, C++, Java, Python) concepts.

Essential Criteria: Associate Professor B (inclusive of Assistant Professor essential criteria)

- Evidence of ongoing output in software engineering/computer science research, in terms of research publications and impact and/or significant industry experience.
- Recognition by/contribution to their research/industry community.
- Evidence of significant research/industry collaboration with peers/industry in their discipline.

Desirable Criteria: Assistant Professor

- Ongoing significant achievements in software engineering/computer science research, in terms of research publications and impact (for example, publications in top international conferences/first-quartile, international, peer-reviewed journals) or evidence of leading and significant industry expertise is a computer science discipline
- Evidence of significant research collaboration with peers/industry in their discipline.
- Demonstrated ability to teach/supervise across a range of software engineering and computer science areas, ideally at both undergraduate and postgraduate levels.
- Evidence of academic course/module material creation/development within the software engineering/computer science discipline.
- Experience of software development tools (for example IDEs/ GitHub)

Desirable Criteria: Associate Professor B (inclusive of Assistant Professor desirable criteria)

- Experience of significant software development, either in research contexts or as part of a commercial team.
- Evidence of responsibility, in the directing of research/software development projects.
- Evidence of successful research/industry collaboration across disciplines.

Applicants should include:

- Research and impact plan (up to 250 words in length) describing the research that they will focus on and possible funding avenues, in the context of their role in ISE.
- Teaching plan (up to 250 words in length) detailing how the candidate would contribute to effective teaching and learning within the context of the UL environment.