JOB DESCRIPTION

Full Professor/Professor of Computing

School of Computing

Faculty of Engineering and Computing

Permanent Contract

Introduction

Dublin City University (www.dcu.ie) is a research-intensive, globally-engaged, dynamic institution that is distinguished by both the quality and impact of its graduates and its focus on the translation of knowledge into societal and economic benefit. DCU prepares its students well for success in life, and in the workplace, by providing a high-quality, rounded education appropriate to the challenges and opportunities of the 21st century. As Ireland's University of Enterprise and Transformation, DCU is characterised by a focus on innovation and entrepreneurship and a track-record of effective engagement with the enterprise sector, including commercial, social and cultural enterprises. Excellence in its education and research activities has led to DCU's consistent position in the rankings of the world's top young universities. DCU has a strong track record in attracting both Irish and European Union funding under FP7, Horizon 2020, Marie Curie Actions and Erasmus. We offer a dynamic and internationally focused environment in which to advance your academic career.

School of Computing

The School of Computing at Dublin City University has earned a strong reputation for excellence in research and teaching. In addition to its existing programmes the B.Sc. in Computer Applications degree, the B.Sc. in Enterprise Computing and the BSc in Computational Problem Solving and Software Development, the new and innovative BSc in Data Science is the first of its kind in Ireland, and is aimed at students who are interested a career in Big Data, data analytics and related data science roles. We also offer a range of innovative taught programmes aimed at producing graduates with the professional and personal skills most sought after in the Information Economy.

The School also enjoys a lively, supportive environment for research in many areas of computing, with its numerous Ph.D. and M.Sc. research students producing work of significance at both national and international level. With close industry links and fee support for EU students, the School's teaching and research programmes reflect the current and anticipated needs of Ireland's industrial and commercial sectors while at the same time meeting the most rigorous national and international academic standards.

Role Profile

The School of Computing is now seeking to appoint a Full Professor/Professor of Computing. Appointment at Full Professor level is possible for exceptionally qualified and experienced candidates. This position presents an exciting opportunity for a motivated person to make a significant contribution to the future of the School of Computing at DCU. The successful candidate will be an internationally recognised academic committed to the pursuit of pioneering software engineering research, who will actively contribute to the strategic direction of the Software Research Centre in the School of Computing and DCU.

Reporting to the Head of School of Computing, the successful candidate will be expected to contribute to teaching, curriculum development, research and administrate activities in the School of Computing across all levels.

Duties and Responsibilities

The duties and responsibilities attaching to the post include, but are not restricted to, the following:

Teaching and Learning

To contribute to/direct teaching and learning activity in the School of Computing by

- Delivering teaching in a manner consistent with the highest academic standards, which integrate world-leading research outputs where possible
- Using a range of teaching and assessment methodologies including online delivery which equip students with skills needed to be lifelong learners
- Enriching the culture of high-quality teaching within the School
- Leading the development of new programmes and modules that align with the Schools strategy

- Enriching the scholarship of teaching within the school and contributing to a culture of teaching innovation within the School

Research and Scholarship

To steer and contribute to research activity in the school by:

- Engaging in innovative impactful research and publishing in top tier journals and international conferences
- Participate in research-related activities such as research student supervision, PhD thesis examination and related duties
- Securing funds from external agencies and organisations to support personal and school research initiatives
- Direct the development of collaborative and interdisciplinary research within the school and wider university
- Providing mentorship to early-stage researchers and academics
- Providing direction to the wider research community by hosting international events and conferences
- Enhancing the reputation and influence of the School in the international research community by conference presentations, journal editorship, external examining, etc.
- Developing and leveraging international research networks to enrich the research activity of the school
- Contributing to the hard/soft skill enhancement of our research students and staff
- Demonstrating the industrial and societal impact of their research
- Enriching the research and culture of the School.

Leadership, Management and Service

To contribute to the leadership, management and administration of the School of Computing and Faculty by:

- Delivering management and service roles to a high standard (including as required roles such as, Head of School, Associate Dean and/or Executive Dean)
- Active engagement in programme accreditation activities
- Contributing proactively to relevant school and university committees, working groups and meetings

- Engaging in, and contributing to, staff development activities and Internationalisation activities

Consistent with the level of seniority, the Appointee will be required to contribute to the administration, leadership and management of the School of Computing, Faculty of Engineering and Computing, and the wider University.

Qualifications & Experience

The successful candidate must have a PhD in Computer Science or related area. Candidates must have both depth and breadth of teaching experience in higher education and a track record of excellence in teaching and of inspiring students. Candidates will also possess a strong research track record, including publication in high quality peer-reviewed journals/ conferences, engagement in supervision of research students, attracting research funding, and will be expected to demonstrate an alignment of their research interests with existing Platform, Distinctive and/or Emerging research expertise within the School of Computing.

While the successful candidate will be expected to extend DCU's internationally recognised expertise in software engineering, a demonstrated track record of Agile Software Development, DevOps and Continuous Software Engineering research will be highly beneficial.

Additionally, it is expected that the ideal candidate will have evidence of significant contribution to best practice frameworks and/or international standards, an appreciation for the role of Open Source Software, including inner-source software development and demonstrable expertise in some, or all, of the following topics:
- serverless computing and how it affects both software systems architectures and software development processes and pipelines
- robust appreciation for contemporary software engineering best practices, including the role of automation in both development and deployment
- software engineering team dynamics and their impact on productivity, potentially including techniques related to gamification in software engineering settings.
- Developing high quality software systems

The successful candidate will play an important role in the further enrichment of the School's national and international reputation and so must display clear leadership attributes and skills

and have the ability and interest to inspire and motivate colleagues with regard to all areas of activity of the DCU School of Computing.

In addition, candidates should also demonstrate excellent interpersonal and communication skills consistent with evidence of successful teamwork and a collegial approach.

Mandatory training:
The postholder will be required to undertake the following mandatory compliance training: Orientation, Health & Safety, and Data Protection (GDPR). Other training may need to be undertaken when appropriate.