Lecturer / Senior Lecturer in Data Science

Key Expectations
This position provides a significant opportunity for an inspirational individual to develop their research while taking a central role in the delivery of teaching within a successful and supportive environment. This role will focus on:

- Developing, leading, and sustaining personal and group research in data science, with expertise in areas including but not limited to artificial intelligence, machine learning, visualization, image/signal processing, and data engineering.
- To disseminate research findings through peer-reviewed internationally recognised journals and international conferences.
- To attract funding for research from a range of peer-reviewed external sources.
- To contribute towards the development and running of cutting-edge research projects.
- To promote a research culture that encourages and celebrates a rich diversity in its workforce and that upholds the highest standards for its research integrity, data reproducibility and collaborative spirit.
- Developing and delivering research-led high-quality teaching across under/post-graduate programmes within the Subject/School.
- To lead and contribute to under/post-graduate teaching and assessment; supervise under/post-graduate dissertations and post-graduate research students, providing pastoral support and guidance when needed.
- Managing of variety of academic administrative activities across the School.

Essential for Senior Lecturer
- Participate in leadership, academic responsibility, and strategic management for research, teaching and engagement.
- Lead initiatives for online and in-person teaching.

The Person
We expect candidates to demonstrate an ability to assume an independent research and teaching career with evidence of the following:

- A growing international reputation, evidenced by the esteem indicators.
- Published research in well-regarded journals and conferences.
- University-level teaching of computing science topics.
- Academic guidance and pastoral care of students.

Essential for Senior Lecturer
- Have enhanced experience of applying successfully for research funding.
- Leading, guiding and promoting the careers of colleagues.

Knowledge, Skills and Experience

Essential
- Deep research knowledge of data science areas.
• Ability, drive, and influence to develop an international research profile.
• Research creativity and strong cross-discipline collaborative ability.
• Evidence of carrying out research within agreed timelines, meeting project milestones and producing research to an appropriate standard.
• Excellent communication skills, with the ability to communicate complex data/concepts clearly.
• Experience in teaching practical computing science topics.
• Course preparation and delivery skills relating to computing science.

Desirable
• Experience in professional counselling and/or pastoral responsibilities.
• Experience in engaging industry in developing taught courses.

Essential for Senior Lecturer
• An extensive and established reputation in research and teaching within Computing Science as evidenced by esteem indicators.
• A demonstrated ability to undertake independent research and to work as part of a multidisciplinary research team to successfully deliver research projects.
• A proven track record in conducting and publishing high-quality research in peer-reviewed internationally recognised journals.
• Experience in organising a team to deliver teaching.
• Experience of EDI and assessment/engagement activities.

Attributes and Behaviour

Essential
• Excellent interpersonal skills and collegiate approach.
• Good team leadership skills, including supervisory skills.
• Passionate about promoting a positive experience for all staff and students.
• Effective time management that balances research and teaching demands.
• Passionate about promoting equality, inclusion and diversity.
• Promotes a culture of mutual respect.

Desirable
• Willingness to engage and further industry involvement in research and teaching and international research and teaching collaborations.

Qualifications

Essential
• PhD awarded in Computer Science or related areas.

Desirable
• Membership of learned societies and academies

Essential for Senior Lecturer
• Teaching qualification / recognition of teaching experience e.g. PGCE or UKPSF FHEA or SFHEA