Candidate Information

Position:	Professors in Computer Science
School/Department:	School of Electronics, Electrical Engineering and Computer Science
Reference:	19/107856
Closing Date:	Tuesday 19 November 2019
Salary:	Professorial salary will be determined in accordance with the Professorial ranges as applied within the University.
Anticipated Interview Date:	Wednesday 8 January 2020

JOB PURPOSE:

The School of Electronics, Electrical Engineering and Computer Science seek to recruit Professorial staff in Computer Science in the following areas of interest: Data Science, Computing Systems, Intelligent Systems and Software Engineering to shape the future vision for Computer Science within the school and to take leadership in its delivery.

The successful candidate(s) will develop and lead a competitive sustainable research program that will complement the ongoing initiatives within the School and across the faculty of Engineering and Physical Sciences. They will also contribute to cutting edge educational programs within the school and contribute to the school's administration and outreach activity as applicable.

MAJOR DUTIES:

Teaching:

1. Oversee the development and review of teaching provision in the subject area for all students at all levels.
2. Develop and teach courses or learning programmes for students at all levels having overall responsibility for their design and quality.
3. Lead the development of innovative teaching methods to create interest, understanding, enthusiasm and participation amongst students.
4. Plan and review own teaching load and approach to teaching and coach others in doing the same.
5. Set and mark coursework, supervise and advise students at all levels. Act as their internal and external examiner.

Research:

1. To contribute to the strategic vision for the development of research in Computer Science.
2. To plan, establish and lead a research programme of outstanding quality and national/international repute.
3. Secure the publication of key results in leading peer reviewed scientific journals of acknowledged quality which further develops an already sustained individual and team reputation in the subject area.
4. Sustain high quality research-related/scholarly contributions through conference papers and presentations.
5. Continue to develop and expand research in subject area through internal collaborative partnerships and by establishing and fostering strong international links and strategic alliances with leading researchers in the field.
6. Oversee staff teams and resource management processes necessary to deliver research plans.
7. Lead major funding bids which develop, support and sustain research support for the subject area and advance the reputation of the School and the University.

Administration/Contribution to the Community:

1. May take responsibility for the appointment, development and management of all staff of all types in the directly managed team.
2. Take responsibility for the handling of major processes within the School eg with forward planning, financial management, teaching or research quality and admissions.
3. Contribute to the running and strategic direction of the University through designated committee representatives or project activities.

Planning and Organising:

1. Plan and deliver research, teaching and outreach programmes and ensure that resources are available.
2. Be involved in the strategic planning for the School and contribute to the University's strategic planning process.
3. Contribute to the management of quality, audit and other external assessments.

Resource Management Responsibilities:
1. Provide academic leadership to those working with the research programme by co-ordinating the work of others to ensure that courses are delivered effectively or organising the work of a team by agreeing objectives and work plans.
2. Develop and manage staff and resources, in support of major research, teaching or outreach activities.
3. Act as a personal mentor to peers and colleagues.

Internal and External Relationships:
1. Lead and develop links with internal and external networks, e.g. chairing and participating in Institutional committees, build up contacts with external examiners/assessors, educational bodies, employers, professional bodies.

ESSENTIAL CRITERIA:
1. A PhD or equivalent in relevant discipline.
2. Extensive high level research experience in relevant subject area that are sustainable and which complement or enhance existing profile within the School and across the faculty of Engineering and Physical Sciences.
3. An extensive and sustained track record of research publications over career in high quality, peer reviewed journals that are REF returnable at international level.
4. Extensive track record of obtaining significant research funding over a sustained period.
5. Experience of leading and involvement in research programmes.
6. Experience of teaching and supervision of students at all levels.
7. Experience of management and administration pertinent to teaching and research in a university setting.
8. Ability to develop, manage and effectively execute original lines of research.
9. Ability to make sound, balanced and rational judgements in the overall best interests of the School.
10. Able to lead, interest, inspire students and colleagues.
11. Ability to provide strategic leadership.
12. Excellent written and oral communication skills.
13. Able to provide effective teaching to students .
14. Evidence of strong leadership qualities.
15. Ability to work as part of large team.

DESIRABLE CRITERIA:
1. PGCHET or equivalent teaching qualification or membership of professional teaching body e.g. HEA.