JOB DESCRIPTION

Job Title: **Senior Lecturer in Computer Security**

School: **Cardiff School of Technologies**

Department: **Department of Computer Science**

Location: **Llandaff Campus**

Hours: **37 hours per week**

Tenure: **Permanent**

Grade: **8**

Salary: **£46,718 - £54,131 per annum**

This job description is indicative, not prescriptive, and the balance of duties will be in accordance with the contract of employment.

Role Summary:

This is a key post that will contribute to the ambitions of the University's Strategic Plan 2017/18 – 2022/23. To meet its ambitious growth targets, Cardiff School of Technologies is growing both its Computer Science and Engineering capabilities, and the post holder will join Cardiff School of Technologies as a Senior Lecturer in the department of Computer Science.

The School is looking to both enhance and support its learning and teaching capabilities whilst augmenting its existing research base to contribute to an exciting and growing research community. The evolving curriculum will place laboratory and hands on practical work at the heart of programmes to consolidate underpinning theory but also to inspire student motivation and engagement.

We require academic staff able to cover software security, secure coding, secure development processes (Agile security, Secure DevOps) and cloud security (virtualization security using virtual machines and containers) within the area of computer security.

ROLE PROFILE

This role profile is indicative, not prescriptive, and the balance of duties will be in accordance with the contract of employment

Principal Duties and Responsibilities:

Teaching and learning support
- Design, develop and deliver a range of programmes of study (sometimes for entirely new courses) at various levels.
- Review on a regular basis course content and materials, updating when required.
- Develop and apply appropriate teaching techniques and material, which create interest, understanding and enthusiasm amongst students.
- Ensure that course design and delivery comply with the quality standards and regulations of the university and department.

Research and scholarship
- Supervise postgraduate research students
- Lead research and/or innovation proposals and projects with the potential to generate income, to manage project deliverables, deliver outputs and secure impact.
- Work with university stakeholders to identify sources of research funding and lead the process of securing funds.
- Manage the delivery of individual and/or collaborative research projects to time and on budget.
- Apply knowledge acquired from research and innovation as well as scholarship to learning and teaching, and appropriate external activities Lead the design and production of peer-reviewed publications and/or practitioner outputs, and/or disseminate research findings using other appropriate media.
- Make presentations at local, national and international academic and/or practitioner conferences or exhibit work in other appropriate events.

Communication
- Disseminate conceptual and complex ideas to a wide variety of audience.

Liaison and networking
- Lead and develop internal networks for example by chairing and participating in School and Institutional committee.
- Lead and develop external networks for example with external examiners and assessors.
- Develop links with external contacts such as other educational bodies, employers, and professional bodies to foster collaboration.

Managing people

- Provide academic leadership to those working within programme areas, as course leader or equivalent, by for example 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 with reference to the Academic Handbook.
- Contributing to the development of teams and individuals.
- Act as a personal mentor to peers and colleagues.

Teamwork

- Lead teams within areas of responsibility.
- Help to ensure that teams within the department work together.
- Participate to help resolve conflicts within and between teams.

Pastoral care

- Responsible for dealing with referred issues for students within own educational programmes.
- Provide first line support for colleagues, referring them to sources of further help if required.

Initiative, problem-solving and decision-making

- Resolve problems affecting the delivery of courses within own educational programme and in accordance with regulations.
- Make decisions regarding the operational aspects of own educational programme.
- Contribute to decisions, which have an impact on other related programmes.
- Provide advice on issues such as ensuring the adequate balance of student population, appointment and student and other performance matters.
- Spotting opportunities for strategic development of new courses or appropriate areas of activity and contributing to the development of such ideas.

Planning and managing resources

- Responsible for the delivery of own educational programmes.
- Contribute through the teams within which you are a member of to the overall management of the department in areas such as budget management and business planning.
- Be involved through various routes in departmental level strategic planning and contribute to the Institution's strategic planning processes.
- Plan and deliver research, consultancy or similar programmes within the constraints of resources available.
- Contribute to the management of quality, audit and other external assessments.

Sensory, physical and emotional demands.

- Balance the pressures of teaching, research and administrative demands and competing deadlines.

Work environment
- Depending on area of work (e.g. laboratories, workshops, studios) may be expected to take responsibility for conducting risk assessments and reducing hazards.

Expertise
- Required to be an externally recognised authority in the subject area.
- In-depth understanding of own specialism to enable the development of new knowledge and understanding both within the field, and through application.

Standard Notification

These guidelines are provided to assist you in the performance of your contract. The university is a dynamic organisation; therefore changes may be required from time to time. Any changes will be made in consultation with the post-holder. The Summary of Duties and Responsibilities is not intended to be an exhaustive list of tasks performed. Other associated technical tasks are likely to be performed as directed by the line manager.

It is accepted that individual staff will have a specialist skills and knowledge base in relation to the role they have been appointed to. In addition to this, Cardiff Metropolitan University expects that all staff will contribute to the vision and ethos of the university and conduct themselves in a professional, courteous and student/customer focused manner at all times. All staff should have particular regard for their responsibilities under Cardiff Metropolitan University's Equalities, Financial, Environmental and Sustainability, Human Resources and Health and Safety policies and procedures.

PERSON SPECIFICATION

Job Title: Senior Lecturer in Computer Security

School/Unit: Cardiff School of Technologies

<u>*Key</u>

A - Application form
I   - Interview
T - Test

FACTORS	ESSENTIAL AND DESIRABLE CRITERIA	ASSESSED BY		
		A*	I*	T*
Education and Qualifications (Essential)	A good honours degree.	✓		
	An earned doctoral level qualification.	✓		
	Ability to achieve Fellow Status as part of the Higher Education Academy's Professional Recognition scheme, within agreed timescales (as soon as is practicably possible and definitely within three years of commencement of employment).	✓		
	Membership of a professional body.	✓		
Education and Qualifications (Desirable)	Fellow Status as part of the Higher Education Academy's Professional Recognition scheme.	✓		
Knowledge (Essential)	An in-depth knowledge of specialist subject and professional area.	✓	✓	
	An in-depth understanding of pedagogy.	✓	✓	
	An in-depth understanding of research/innovation and scholarly activity.	✓	✓	
Knowledge (Desirable)	National/international recognition in specialist subject and professional area.	✓		
Skills and Abilities Relating to Role (Essential)	Ability to design, develop and deliver a range of programmes at various levels.	✓	✓	
	Ability to review programme design on a regular basis to ensure compliance with quality standards and academic regulations and to make alterations where appropriate.	✓		

		✓		
	Ability to contribute to the achievement of the School Development Plan and the institution's strategic planning processes.	✓		
	Ability to develop research objectives, prepare proposals, carry out independent research, referee and contribute to peer assessment.	✓	✓	
	Ability to identify opportunities for strategic development/improvement e.g. research projects, new courses, consultancy.	✓	✓	
	Ability to identify (through the analysis of appropriate management information) areas requiring improved performance e.g. student numbers, student satisfaction.	✓		
	Ability to take responsibility for a number of key areas such as chairing and participating in school and institutional committees, leading projects.	✓	✓	
	Ability to communicate and disseminate complex and conceptual ideas in a variety of ways – presentations or exhibitions at national or international conferences, reports on findings, journal articles etc. to a wide variety of audiences.	✓	✓	
	Ability to lead and contribute to the development of teams to ensure effective and productive working relationships.	✓		
	Ability to lead/develop/work collaboratively with a number of internal and external networks, e.g. professional associations, external examiners.	✓		
	Ability to plan workloads and projects and manage resources effectively.	✓		
Skills and Abilities Relating to Role (Desirable)				
Experience Paid/Unpaid (Essential)	Experience of HE teaching or equivalent.	✓	✓	
	Experience of providing academic leadership and first line support/mentoring for other colleagues.	✓	✓	
	Experience of engaging in pedagogic and practitioner research.	✓	✓	

	Experience of contributing to the development of academic strategies for example, research and innovation, teaching and learning.	✓		
	Experience of managing performance through the setting, monitoring and review of objectives.	✓		
Experience Paid/Unpaid (Desirable)				
Other Requirements (Essential)	Ability to risk assess and implement policy/strategy in relation to Equality and Diversity, Health and Safety, Quality Standards.	✓		
Other Requirements (Desirable)	Ability to speak Welsh.	✓		