



<b>Job title</b>	Associate Professor in Cyber Security	<b>Job family and level</b>	Research & Teaching Level 6
<b>School/ Department</b>	Computer Science	<b>Location</b>	Nottingham, UK Jubilee Campus

## Purpose of role

This role will be held in the School of Computer Science. The role holder will have a substantial and growing national and international reputation in their field and will make a significant impact on the research and teaching of their specialism/discipline through effective and innovative academic and organisational leadership.

The role holder will develop proposals for research and knowledge exchange projects, both individually and collaboratively, which will have meaningful impact and lead to an increase in knowledge and understanding and the discovery/development of new explanations, insights, concepts and/or processes. They will act as principal investigator on major research projects and will identify opportunities for the development of new research directions.

The role holder will be responsible for maintaining and developing the quality of the design, standard and delivery of relevant modules and programmes and contribute generally to the development of teaching, teaching methods and assessments in the School.

The role holder will be expected to make a significant leadership contribution both within the School and in research into and teaching of cyber security within the wider Computer Science community. This will include participation in School, Faculty and University organisation, management and strategic planning.

	<b>Main responsibilities</b> (Primary accountabilities and responsibilities expected to fulfil the role)	<b>% time per year</b>
1	<p><b>Research</b></p> <ul style="list-style-type: none"> <li>▪ To lead major funding bids which develop and sustain research and develop research initiatives which foster collaboration and generate income.</li> <li>▪ To act as principal investigator on major research projects, investigate and devise new research methods, generate new research approaches and contribute generally to the development of research in the School</li> <li>▪ To undertake original research, individually and collaboratively, taking responsibility for the planning, development and conduct of projects</li> <li>▪ To disseminate research findings through leading peer-reviewed national and international publications, conferences, workshops and other appropriate media</li> <li>▪ To interpret and review the outcomes of research projects and apply them to teaching delivery/practices where appropriate</li> </ul>	40%

	<ul style="list-style-type: none"> <li>▪ Undertake consultancy and knowledge exchange projects, where appropriate and where there is a demonstrable benefit to the School and the University.</li> <li>▪ To build relationships and collaborate actively with internal and external contacts, nationally and internationally, to undertake research and knowledge exchange projects in the advancement of the discipline and its application to real-world problems.</li> <li>▪ To supervise and examine postgraduate research students</li> </ul>	
2	<p><b>Education and Student Experience</b></p> <ul style="list-style-type: none"> <li>▪ To contribute to curriculum leadership and teaching and learning delivery in Cyber Security</li> <li>▪ To deliver teaching through a variety of methods across a range of modules, to support the School's teaching requirements but primarily within your area of expertise.</li> <li>▪ To resolve issues affecting the quality of teaching delivery and student progress, referring more serious or complex issues to colleagues as appropriate</li> <li>▪ Be responsible for the development of the content and structure of existing modules and the design of new modules to ensure the curriculum remains current and deliverable.</li> <li>▪ To develop high quality teaching materials, methods and assessments, ensuring compliance with the University's teaching and learning standards and processes</li> <li>▪ To undertake pastoral support, supervision and assessment of students at all levels of study</li> </ul>	40%
3	<p><b>Leadership and Management</b></p> <ul style="list-style-type: none"> <li>▪ To provide academic and organisational leadership</li> <li>▪ To contribute to and be responsible for administrative duties in support of the activities of the School</li> <li>▪ To contribute to the development of research strategies and the teaching and learning policy in the School</li> <li>▪ Represent the School on committees and working groups in the wider University and externally</li> <li>▪ Manage and monitor assets and budgets allocated as part of the role</li> <li>▪ To undertake further training required for the role and/or specific duties, consistent with continuous professional development</li> <li>▪ To provide line management to appropriate staff to include: supervision of work, providing coaching and support in their research and teaching and acting as a mentor in their personal and professional development.</li> <li>▪ Other administrative duties agreed with the Head of School</li> </ul>	20%

## Person specification

	<b>Essential</b>	<b>Desirable</b>
<b>Skills</b>	<ul style="list-style-type: none"> <li>▪ Excellent oral and written communication skills, including the ability to communicate with clarity on complex and conceptual ideas to a variety of audiences</li> <li>▪ Proven ability to provide effective leadership, management and motivation of staff.</li> <li>▪ Proven ability to develop excellent teaching materials.</li> <li>▪ Proven ability to attract research funding, demonstrating effective leadership, planning and team/resource management</li> <li>▪ Proven ability to supervise postgraduate research students</li> <li>▪ High level analytical ability to facilitate conceptual thinking, innovation and creativity</li> <li>▪ Skills in counselling, pastoral care and motivating students.</li> <li>▪ Ability to build relationships and collaborate with others, internally and externally.</li> <li>▪ Excellent organisational and time-management skills.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Proven ability to manage resources and an understanding of management processes.</li> </ul>
<b>Knowledge and experience</b>	<ul style="list-style-type: none"> <li>▪ Extensive track record of published research, development and delivery of teaching, successful consultancy activities and/or delivery of specialist services to external customers/clients</li> <li>▪ Extensive experience of developing research methodologies and devising models, approaches, techniques, critiques and methods.</li> <li>▪ Extensive cyber security research experience with an established national and growing international reputation within subject specialism</li> <li>▪ Proven sustained track-record in publishing high quality cyber security research work, including of international quality</li> </ul>	<ul style="list-style-type: none"> <li>▪ An understanding of University management systems and the wider higher education environment</li> <li>▪ Previous experience in the development of policy and administrative matters within a University.</li> <li>▪ Proven record of promoting and maintaining collaborative links with industry/ business/ community</li> </ul>

	<ul style="list-style-type: none"> <li>▪ Extensive experience and demonstrated success in delivering cyber security teaching within an agreed quality framework</li> </ul>	
<b>Qualifications, certification and training (relevant to role)</b>	<ul style="list-style-type: none"> <li>▪ PhD or equivalent in relevant subject area</li> <li>▪ Or equivalent extensive professional/research experience</li> </ul>	<ul style="list-style-type: none"> <li>▪ Higher education teaching qualification or equivalent</li> <li>▪ Membership of a professional body, where appropriate</li> </ul>



## Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Understands that it is essential to provide a structure that people can thrive in. Knows how to communicate with people to create a healthy working environment and get the best out of people.
- Taking ownership** Communicates vision clearly, providing direction and focus. Knows how to create a productive environment where people are inspired and can work cross-departmentally in partnership.
- Forward thinking** Has the ambition to be a pioneer in own area, anticipating the future change, needs and challenges. Knows how to innovate within their work context and champions others to be inspired to be part of this ambition
- Professional pride** Keeps up to date on latest thinking, trends and work practices. Supports team to be thought leaders; willing to challenge if obstacles get in the way.
- Always inclusive** Establishes far reaching partnerships, well beyond own area across a broad range of networks. Understand role to pay due regard to the needs of the whole community.

## Key relationships with others

