University of Nottingham
UK | CHINA | MALAYSIA

Job title	Associate Professor	**Job family and level**	Research & Teaching Level 6
School/ Department	Computer Science	**Location**	Nottingham, UK Jubilee Campus (occasional travel to overseas campuses)

Purpose of role

The role holder will be expected to make a significant leadership impact within their academic unit and in the research and teaching area of one of the identified strategic growth areas such as Embodied Intelligent Systems (Robotics), Cyber Security and/or Computational Intelligence, within the general field of Computer Science.

The role holder will participate in the School, Faculty and research group academic unit level organisation, management and strategic planning and will also contribute to the University's strategic planning processes. They will act as principal investigator on major research projects in the one of the areas specified above and will identify opportunities for the development of new research projects.

The role holder will take responsibility for the quality of the design of Computer Science, Computer Science with Artificial Intelligence, and related courses/programmes to maintain the high teaching standards and contribute generally to the development of teaching, teaching methods and assessments in the School of Computer Science academic unit.

The role holder may have line management responsibilities including the responsibility for the professional development of the research group/team and contribute to the overall administration of the School.

The post holder will make a significant contribution to their academic unit via leadership and/or administrative management and/or co-ordination of specific initiatives.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	**% time per year**
1	**Leadership** ▪ To provide academic and organisational leadership to those working within the identified research area(s), by for example co-ordinating resources, the work of others to ensure the effective delivery of research projects and agree objectives and work plans with the team. ▪ To develop and sustain an ongoing national reputation as a research leader, through original research work. Disseminate and explain research findings through leading peer-reviewed national and international publications, and present or exhibit at national/ international conferences and other similar events.	34%

	▪ To contribute to the development of research strategies and the teaching and learning policy in the School of Computer Science. ▪ To act as a line manager (including performance review) and personal mentor to peers and colleagues, where appropriate, and provide expert advice and coaching to colleagues and students internally and externally. ▪ To lead and develop internal (e.g. by chairing/participating in University Committees) and external relationships (e.g. external examiners/assessors and/or active researchers) to foster future collaboration.	
2	**Research** ▪ To act as the principal investigator on major research projects in the identified research area(s). Investigate and devise new research methods, generate new research approaches and contribute generally to the development of thought and practice in the field of Embedded Intelligent Systems/Robotics, Cyber Security. ▪ To interpret findings, review and synthesise the outcomes of such research projects, and apply to research and teaching practice, where appropriate. ▪ To develop proposals for research projects which will make a significant impact by leading to an increase in knowledge and understanding and the discovery or development of new explanations, insights, concepts or processes. ▪ To investigate and develop new approaches, methodologies and techniques appropriate to their research area. ▪ To lead major funding bids which develop and sustain research support for the identified research area(s) and develop research initiatives to foster collaboration and generate income. ▪ To apply research results in public policy or commerce where there is a demonstrable benefit to the University and the School of Computer Science academic unit. ▪ Supervise and examine PhD students, both internally and externally.	33%
3	**Teaching** ▪ To contribute to the curriculum leadership and the teaching and learning programmes in the Computer Science academic unit e.g. through delivery of advanced research lectures to staff and/or delivery of course modules ▪ To resolve problems affecting the quality of course delivery and student progress within the area of Computer Science, referring more serious matters to others, as appropriate. ▪ Disseminate conceptual and complex ideas to a wide variety of audiences using appropriate media and methods to promote understanding. ▪ Be responsible for administrative duties in areas such as admissions, timetabling, examinations, student attendance, and represent the school on various committees and working groups in the wider University and outside of the University and managing or monitoring assets and budgets allocated as part of the role. ▪ Set and mark coursework, examine courses and supervise and advise students. Monitor student progress and retention.	33%

Person specification

	Essential	Desirable
Skills	▪ Excellent oral and written communication skills, including the ability to communicate with clarity on complex information ▪ Proven ability to provide effective leadership and management of groups and teaching activities ▪ Proven ability with demonstrated success in obtaining sources of funding, providing effective leadership, planning, and building, resourcing a team and delivering research results ▪ Extensive track record of published research, development and delivery of teaching units, successful consultancy activities and/or delivery of specialist services to external customers/ clients ▪ High analytical ability to facilitate conceptual thinking, innovation and creativity	
Knowledge and experience	▪ Extensive research and teaching experience with an established national and growing international reputation in the area(s) of Embodied Intelligent Systems (Robotics), Cyber Security and/or Intelligent Modelling and Analysis ▪ Extensive experience in developing and devising new research programmes, models, techniques and methods ▪ Proven record of promoting and maintaining collaborative links with industry/business/community	▪ An understanding of University management systems and the wider higher education environment ▪ Previous experience of the supervision and pastoral care of students at all levels ▪ Previous experience in the development of policy and administrative matters within a University
Qualifications, certification and training (relevant to role)	▪ PhD or equivalent in relevant subject area or equivalent extensive professional/research experience	▪ Membership of a professional body, where appropriate ▪ Higher education teaching qualification or equivalent

The University is a signatory of the Declaration on Research Assessment (DORA). As such we commit to focus on the scientific content of publications (where requested or provided as part of the recruitment and selection process) as a basis for review of quality, and consideration of value and impact of research conducted, rather than any proxy measures such as Journal Impact Factor.

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

Line manager	Head of School
Role holder	**Associate Professor**
Key stakeholder relationships	Colleagues Students