Candidate Information

Position: Lecturer/Senior Lecturer/Reader, I-AMS
School/Department: School of Electronics, Electrical Engineering and Computer Science
Reference: 18/106900
Closing Date: Thursday 22 November 2018
Salary: £40,792 - £50,132 per annum (potential to progress to £53,175 per annum through sustained exceptional contribution)

JOB PURPOSE:

To undertake research relating to Intelligent Systems and/or Cognitive Robotics, to teach undergraduate and postgraduate students in the School of Electronics, Electrical Engineering and Computer Science, and to contribute to School administration and outreach activity. Candidates at Reader level are expected will lead distinctive research initiatives.

MAIN ACTIVITIES/RESPONSIBILITIES:

1.   Research (40%-60% of time spent)
- To undertake research in Intelligent Systems and/or Cognitive Robotics.
- To lead relevant research programmes, both individually and as part of larger teams.
- To regularly publish research in internationally recognised peer reviewed journals or conferences, commensurate with career stage.
- To secure appropriate external funding through research applications and individual fellowships and, for Senior Lecturer and Reader grades, develop and lead larger, income-generating collaborative and interdisciplinary research projects, working as part of a team.
- To engage in knowledge transfer and innovation activity and to demonstrate tangible research impact (Senior Lecturer/Reader) or potential for research impact, beyond the academic discipline (e.g. economic or societal impact) (Lecturer).
- To attract and supervise post-graduate research students and post-doctoral researchers.
- Lead an active team of high quality post-graduate research students and post-doctoral researchers. (Senior Lecturer/Reader) or demonstrate ability to engage and work with post-graduate or post-doctoral researchers (Lecturer).
- To develop and maintain an international research profile, evidenced by relevant measures of esteem and peer reviews of research output quality and impact (Senior Lecturer/Reader)

2.   Education (20%-40% of time spent)
- To deliver teaching and assessment activities across a variety of computing and engineering degrees, including lectures, setting/marking coursework and practicals to undergraduates and postgraduates.
- To supervise undergraduate and postgraduate taught students in practical and project-based work including Final Year Projects and MSc/MEng dissertations.
- To contribute to the development of new teaching delivery methods, including but not limited to new blended learning and research-led teaching methods.
- To undertake initiatives to improve the overall student experience, by new methods of assessment, feedback, and student engagement.
- To lead major elements of programme development, including new course structures and curricula (Senior Lecturer/Reader).
- To manage major teaching administrative functions such as accreditation and quality enhancement (Senior Lecturer/Reader).

3. Leadership and Administration (10%-20% of time spent)
- To act as mentor to colleagues advising on their personal development (Senior Lecturer/Reader).
- To actively engage with and contribute to the full range of student recruitment activities such as Open Days and taster events.

- To actively engage with and contribute to the School's internationalisation efforts with a view to attract a significantly higher number of international students.
- To carry out designated School educational and research related administrative duties including, for example, University committee membership, working group leadership or course administration, or leadership activities within i-AMS.
- To contribute to senior management activities by taking on appropriate roles such as Director of Education, Director of Research, Director of Internationalisation, Module/Year/Programme Co-ordinator or other recognised official University roles (Senior Lecturer/Reader).

ESSENTIAL CRITERIA:
- Hold or be about to obtain a PhD in Computer Science, Electronic Engineering or a closely related discipline.
- Excellent oral communication and presentation skills, with sufficiently developed English Language skills to deliver Undergraduate and Postgraduate education.
- Ability to form and mentor a sizeable research team, including a track record of post-graduate student and post-doctoral staff supervision (Senior Lecturer / Reader).
- Record of publication of internationally recognised research outputs (commensurate with career stage) in one or more of the following Intelligent Systems and Robotics areas: cognitive robotics, cobotics, intelligent autonomous systems, distributed embedded intelligence, or intelligent sensor systems.
- Evidence of independent contribution in research projects and outputs and potential to establish an independent research program in an area related to Intelligent Systems and Robotics (Lecturer).
- Track record of earning research income as Principal Investigator (Senior Lecturer / Reader), or evidence of potential to secure research income (Lecturer).
- Internationally recognised research standing and ability to lead distinctive research initiatives in an area related to Intelligent Systems and Robotics (Reader).
- Teaching experience commensurate with career stage, including undergraduate or postgraduate teaching, project supervision, assessment and feedback experience.
- Ability to teach in computer science and computing related courses (e.g., Software engineering; Intelligent Automation, Artificial intelligence; Data analytics; Cloud computing; Cyber security).
- A track record of leadership, demonstrated as evidence of leadership of, or significant contribution to major initiatives that significantly improved education, research or administrative processes.
- A record of collaboration with and links to industry, or other activities aiming at achieving broader societal and economic impact.

DESIRABLE CRITERIA:
- Membership or Senior Membership of learned societies such as IEEE, ACM, IET, BCS, AAAI.
- PGCHET or equivalent teaching qualification or membership of professional teaching body e.g. HEA.
- Evidence of active international research collaboration or participation in international research networks.