

**THE UNIVERSITY OF MANCHESTER**  
**PARTICULARS OF APPOINTMENT**  
**FACULTY OF SCIENCE & ENGINEERING**  
**SCHOOL OF ENGINEERING**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**LECTURER OR SENIOR LECTURER IN CYBER SECURITY**  
**VACANCY REF: SAE-027428**

<b>Salary:</b>	Lecturer £46,485 to £56,921 or Senior Lecturer £58,596 to £69,757 per annum, depending on relevant experience
<b>Hours:</b>	1 FTE
<b>Duration:</b>	Permanent
<b>Location:</b>	Oxford Road, Manchester

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**Enquiries about the vacancy, shortlisting and interviews:**

Name: Professor Andrew Stewart

Email: [andrew.stewart@manchester.ac.uk](mailto:andrew.stewart@manchester.ac.uk)

Or

Name: Professor Lucas Cordeiro

Email: [lucas.cordeiro@manchester.ac.uk](mailto:lucas.cordeiro@manchester.ac.uk)

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**The University of Manchester**

The University of Manchester is the largest single-site university in the UK, with the biggest student community. In total, 25 Nobel Prize winners have worked or studied here. The campus, at the heart of the city, is alive with student activity day and night. We are ranked 33rd in the world and sixth in the UK in the 2019 Shanghai Jiao Tong World Ranking.

**Faculty of Science and Engineering**

The Faculty of Science and Engineering is large and comprehensive, with two component schools: Engineering and Natural Sciences, comprising ten departments – School of Engineering: Computer Science; Mechanical and Aerospace Engineering; Civil Engineering and Management, Electrical and Electronic Engineering; Chemical Engineering; School of Natural Sciences: Chemistry; Earth and Environmental Sciences; Mathematics; Materials; and Physics and Astronomy. Together with eight research institutes (Manchester Institute of Biotechnology, the Photon Science Institute, Dalton Nuclear Institute, National Graphene Institute, Manchester Energy, the International Centre for Advanced Materials, the Manchester Institute for Mathematical Sciences and the University of Manchester Aerospace Research Institute) the

Faculty has a diverse portfolio at the highest quality. Many major advances of the 20<sup>th</sup> century began here, including the work by Rutherford on the splitting of the atom and the development of the world's first digital stored-program computer. Today, research activities remain at the cutting edge, and the Faculty now generates in excess of £250M in research funding each year.

### **Department of Computer Science**

Manchester has a long and distinguished track record in the research and teaching of core Computer Science and across interfaces to adjacent disciplines. Founded upon the pioneering work of Williams, Kilburn, and Turing, the Department was the first academic Department of Computer Science in the UK and one of the first to run an undergraduate program. The Department's research strength is reflected in consistently strong returns in UK research assessment exercises. In REF2021, 99% of our research activity was judged as world-leading or internationally excellent, with 100% of our research environment judged to be of world-leading status.

The Department is among the largest in the country. It thus has been able to develop research and teaching profiles that are both broad and deep, reflecting critical mass both in core areas of the discipline (e.g., computer architecture, computer engineering, information management, cyber security, logic and automated reasoning, machine learning and robotics, and text mining) and in several interdisciplinary fields (e.g., nanotechnology, bioinformatics, and health informatics, neuromorphic computing and HPC systems).

### **JOB DESCRIPTION (Lecturer)**

You will join an internationally leading Department of Computer Science. You will, therefore, be required to carry out high-quality research, disseminate it in suitable high-impact outlets, secure significant research funding, and contribute to the Department's teaching activities. The specific responsibilities of the person appointed will be agreed upon with the Head of the Department of Computer Science and will evolve with time. **The primary expectations are that you will establish and continue to grow the following aspects of the role:**

#### **Research**

- Further develop a strong output record of high-quality, peer-reviewed research publications.
- Develop a suitable research group including obtaining research funding, leadership of this research group, and collaborating with relevant colleagues, both internally and externally.
- Supervise PGR students successfully.
- Develop a strong standing in your research community.
- Support the careers of others, including research students and postgraduate researchers.

#### **Teaching**

- Teach the undergraduate and postgraduate programs of the Department of Computer Science.
- Contribute to teaching-related administration, examination, and curriculum design.
- Supervise undergraduate and taught postgraduate student projects and tutorials.

#### **Other**

- Contributing to the management of the Department's activities and broader objectives.

### **PERSON SPECIFICATION (Lecturer)**

The appointee will be expected to develop a research program, supervise research students and staff, and develop teaching materials. The appointee is expected to have the following:

#### **Essential**

- A relevant PhD (or equivalent qualification) plus experience in a relevant discipline.
- A sustained record of high-quality publications.

#### **Desirable**

- Experience of supervising/co-supervising (potentially in an informal capacity) PhD students
- The ability to enthusiastically teach aspects of UG/PG programmes in CS.
- Evidence of service to the research community, e.g., programme committees and reviewing.
- Experience of supervising/co-supervising (potentially in an informal capacity) PhD students in your area of research.
- Involvement in research funding applications and organisation of a research group.
- Several years of postdoctoral experience and collaboration with major labs internationally.
- Experience of working in, or with, industry.
- Successful experience of supervising postgraduate students.

### **JOB DESCRIPTION (Senior Lecturer)**

The specific responsibilities of the person appointed will be agreed with the Head of the Department of Computer Science and will evolve with time. **The primary expectations are to have and continue to grow the following:**

#### **Research**

- Further develop established record and continuing trajectory of output of high-quality, peer-reviewed research publications
- Further develop a suitable research group including obtaining research funding, leadership of this research group, and collaborating with relevant colleagues, both internally and externally
- Expand experience of successful supervision of PGR students
- Further develop a strong standing in your research community
- Support the careers of others, including research students and postgraduate researchers

#### **Teaching**

- Expand experience of teaching undergraduate and postgraduate students in Computer Science
- Further contribute to teaching related administration, examination, and to curriculum design
- Supervise undergraduate and taught postgraduate student projects and tutorials

#### **Other**

- Contributing to the management of the Department's activities and broader objectives of the Department.

**PERSON SPECIFICATION (Senior Lecturer)**

The appointee will be expected to have their own research program, to supervise research students and staff, to develop new initiatives and lead activities in the Department. The appointee is expected to have the following:

**Essential**

All essential criteria as written in the lecturer post, plus in addition:

- Demonstrable success in research funding applications.
- A growing and self-evident reputation in the international community.
- Demonstrable ability to stimulate research activity beyond your own agenda.
- Experience in teaching and assessing undergraduate or post-graduate students.
- Experience in supervising postgraduate students.

**Desirable**

As written in the lecturer post, plus in addition:

- Evidence of your research having impact beyond academia (e.g., industry, society, education, policy etc).