Lecturer (Teaching & Scholarship)
Department of Computer Science

Closing date: 16 July 2018

Interview date: Week commencing 13 August 2018 (To be confirmed)

Vacancy reference: 6766
INTRODUCTION

An exciting opportunity to join the Department of Computer Science as a teaching specialist. The post-holder will be expected to develop, deliver and assess modules across our undergraduate and postgraduate taught Computer Science programmes. Applications from candidates with a specialism in teaching programming are especially encouraged.

The Department of Computer Science is currently developing a new undergraduate curriculum for delivery from October 2019 onwards. Part of the role will be to develop new teaching material for the new curriculum.

The post requires a good background in Computer Science. Good communication and facilitation skills are essential for leading the required teaching activities. Good interpersonal skills and high levels of personal drive are required to ensure that the teaching and administrative activities are delivered in an efficient, effective and professional manner. The post is full-time.
Main purpose of the role

- To lecture, lead seminars, tutorials and other forms of undergraduate and postgraduate teaching
- To develop and apply innovative and appropriate teaching techniques and material which create interest, understanding and enthusiasm amongst students
- To carry out on-going curriculum review, including teaching content and materials and contribute to the development of teaching and learning strategies
- To undertake effectively a range of administrative responsibilities

Key responsibilities

(Role holders will normally be required to undertake the duties below)

Teaching and Promotion of Learning

- To support the teaching objectives of the department by delivering teaching through allocated lectures, tutorials and other forms of undergraduate and postgraduate teaching.
- To set and mark coursework and examinations, providing constructive feedback to students.
- To ensure the quality of the design of existing teaching content, continually monitoring, evaluating and revising them to ensure excellence and coherence, identifying areas where current provision is in need of revision or improvement.
- To develop teaching and learning activities in the department and deliver teaching across a range of modules and to all levels, through lectures, tutorials, practicals and seminars
- To oversee, develop and promote innovative teaching and learning approaches and material, which create interest, understanding and enthusiasm amongst students
- To ensure that teaching design and delivery comply with the quality standards and regulations of the University and department

Administrative and support responsibilities

- To act as internal examiner for undergraduate and postgraduate students.
- To supervise directly students, students’ projects, field trips and academic activities. To provide expert advice on learning best practice and helping with learning problems. To identify the learning needs of students and define learning objectives
- To contribute to planning and teaching design across a range of modules and to the administration and management of teaching programmes
- Engagement with internal and external activities that contribute to the smooth and collegial operation of the University

Involvement in scholarship and development

- To investigate innovative teaching, learning and assessment methods and techniques in the sector generally, bringing new insights to the department
- To disseminate excellent teaching practices eg. through discipline or inter-disciplinary groups both within and beyond the University

At a glance

**Salary**
Grade 7—£38,832 – £47,722 per year

**Hours of work**
Full-time—37 hours per week

**Contract type**
Fixed-term—36 months

**Based at**
Heslington Campus East
## PERSON SPECIFICATION

<table>
<thead>
<tr>
<th>Essential / Desirable</th>
<th>Qualifications</th>
<th>Knowledge</th>
<th>Skills, abilities and competencies</th>
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<tbody>
<tr>
<td>Essential</td>
<td>Postgraduate degree in Computer Science or equivalent experience</td>
<td>Extensive knowledge to teach and develop teaching programmes within the undergraduate curriculum, and the provision of learning support across different levels of academic activity</td>
<td>Highly developed communication skills to engage effectively with a wide ranging audience, both orally and in writing, using a range of media</td>
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<td>Essential</td>
<td>Appropriate academic professional and teaching qualification or a willingness to complete the Postgraduate Certificate in Academic Practice</td>
<td>Knowledge of a range of teaching techniques and methodologies</td>
<td>Ability to innovate in teaching and learning, e.g. through the development of teaching materials</td>
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<td>Essential</td>
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<td>Ability to teach at any level within area of expertise, and across a range of subjects at a more introductory level, and demonstrate enthusiasm and commitment in the process of teaching</td>
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<td>Essential</td>
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<td>Ability to present specialist material in a logical, coherent and interesting manner, both to students and to fellow specialists</td>
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<td>Essential</td>
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<td>Ability to obtain new knowledge by theoretical and/or practical methods</td>
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<td>Essential</td>
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<td>Ability to disseminate scholarly work, for example presenting papers at conferences and workshops, development of appropriate websites and publishing articles or papers in academic journals</td>
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<td>Essential</td>
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<td>Ability to design and deliver teaching material either across a range of modules or within a subject area</td>
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<td>Essential</td>
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<td>Ability to supervise the work of students, provide advice on study skills and assist with learning problems</td>
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<td>Essential</td>
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<td>Proven skills in small-group facilitation</td>
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<td>Desirable</td>
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<td>Ability to contribute to the design of course material, content and new teaching approaches in the department</td>
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<td>Desirable</td>
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<td>Ability to design effective distance-learning teaching materials</td>
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<td>Desirable</td>
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<td>Ability to manage and deliver own teaching</td>
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<td>Desirable</td>
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<td>Ability to plan, manage, organise and assess own teaching contributions</td>
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<td>Experience</td>
<td>Essential / Desirable</td>
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<td>Experience in teaching and learning in HE at undergraduate or postgraduate level or in an evidenced similar context</td>
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<td>Experience of using different delivery techniques to enthuse and engage students</td>
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<td>Evidence of successful planning and teaching design across a range of modules</td>
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<td>Evidence of lecturing, leading seminars, tutorials and other forms of undergraduate and postgraduate teaching</td>
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<td>Both the Teaching and Application experience described in the Essential Criteria</td>
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<td>Personal attributes</td>
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<td>Attention to detail and commitment to high quality</td>
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<td>Displays creativity, initiative and judgement in applying appropriate approaches to teaching, learning support and scholarly activities</td>
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<td>Collaborative ethos</td>
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<td>Positive attitude to colleagues and students</td>
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<td>Willingness to work proactively with colleagues in other work areas/institutions</td>
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<td>Ability to plan and prioritise own work in order to meet deadlines</td>
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<td>Commitment to personal development and updating of knowledge and skills</td>
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The Department of Computer Science (www.cs.york.ac.uk/) has a very strong international research record. The Research Excellence Framework (REF) 2014 results ranked York’s Computer Science 7th overall in the UK, 5th for impact and 6th for environment. 90 per cent of our academic staff were rated as “world leading” or “internationally excellent". This result confirms the long-standing global reach and real-world significance of our research and makes us one of the best departments in the country for nurturing excellent research by staff and research students alike. All aspects of our impact and environment were judged to be of world-leading or international standard.

The Department has strong and long-standing links with industry and is highly regarded for its CPD courses. It has strategic partnerships with several large companies including IBM and QinetiQ, and we deliver our CPD courses to safety engineers around the world.

The Department currently comprises ten large research groups: Advanced Computer Architectures, Artificial Intelligence, Computer Vision, High Integrity Systems Engineering, Human-Computer Interaction, Enterprise Systems, Non-Standard Computation, Programming Languages and Systems, Real-time Systems and the York Games. The Department is housed in purpose-built accommodation within the new Heslington East campus, including a specialist CPD suite designed to deliver our intensive one-week courses. The Department currently has 54 members of academic and teaching staff including seven members of the CPD teaching team led by Professor Tim Kelly. About 40 research associates and fellows are employed on research grants and contracts and we have a vibrant graduate school of approximately 130 PhD students. Each year we have around 400 undergraduate and 100 full-time and part-time taught postgraduate students. The support team comprises 22 administrative staff and 13 technical and computing staff.
THE UNIVERSITY

Founded on principles of excellence, equality and opportunity for all, the University of York opened in 1963 with just 230 students. In 2018 it is the home of more than 17,000 students across more than 30 academic departments and research centres. Since opening over fifty years ago, we have become one of the world’s leading universities and a member of the prestigious Russell Group.

We are consistently recognised as one of the leading Higher Education Institutes and are ranked 16th in the Times & Sunday Times league table (2017). The University of York has won six Times Higher Education (THE) Awards and five Queen’s Anniversary Prizes.

The University is proud of its association with Athena SWAN, holding 12 awards in support of gender equality, representation and success for all, with gold awards for Chemistry and Biology and a University-wide bronze award.

Of 154 universities that took part in the Research Excellence Framework (REF) in 2014, The University of York ranked 14th overall and 10th for the impact of our research. The University is consistently in the top ten UK research universities and attracts over £60m a year of funding from research alone.

Our vision is to make the University of York a world leader in the creation of knowledge through fundamental and applied research, the sharing of knowledge by teaching students from varied backgrounds and the application of knowledge for the health, prosperity and well-being of people and society.
Attractive workplace

Centred around the picturesque village of Heslington on the edge of the city of York, our colleges are set in an attractive landscaped campus. York enjoys a safe, friendly atmosphere with facilities including bars, shops, theatres and concert halls all within easy walking distance.

The University has undergone an unprecedented period of expansion and renewal since 2000. We have invested in twenty new buildings on the original campus and have completed the first and second phases of a £750m campus expansion. Our investment in new colleges, teaching and learning spaces, laboratories, research facilities and a new sports village mean there has never been a better time to join us.

During this period of change we've worked hard to retain our friendly, informal and collegiate atmosphere, which is important to our core values of inclusivity and interdisciplinarity.

We have a thriving international community and are committed to providing staff moving to York with as much support as possible through our Relocation Package and Welcome Officers.

The University is committed to promoting a diverse and inclusive community - a place where we can all be ourselves and succeed on merit. We offer a range of family friendly, inclusive employment policies, flexible working arrangements, staff engagement forums, campus facilities and services to support staff from different backgrounds.

For further information please visit our employee benefit pages.
THE CITY AND THE REGION

The City of York

Internationally acclaimed for its rich heritage and historic architecture, York’s bustling streets are filled with visitors from all over the world. Within its medieval walls you will find the iconic gothic Minster, Clifford’s Tower and the Shambles - just a few of the many attractions.

But York isn’t just a great place to visit - it’s also a great place to live and work. While nourishing a vibrant cosmopolitan atmosphere, York still maintains the friendly sense of community unique to a small city.

Visit [www.visityork.org](http://www.visityork.org) for more information on the city of York.

Shopping, culture and entertainment

York boasts specialist and unique boutiques but also all the high street stores on its busy shopping streets. Alongside them you will find cinemas, theatres, an opera house, art galleries, a vast range of restaurants, live music venues and clubs. York is particularly renowned for its multitude of pubs and bars, from the modern to the medieval.

Housing and schools

Whether you choose to live close to the city, in one of the surrounding villages or further afield, you will find a wide range of housing within comfortable distance of York and the University. For families, the area has a range of excellent schools both in the state and independent sector.

Great location

York is one of Britain’s best-connected cities. Halfway between London and Edinburgh on the East Coast mainline, on intercity trains you can reach London King’s Cross in less than two hours and Edinburgh in two and a half hours. York is also well served by road links, and it is easily accessible from the A1, M1 and the M62.

For those travelling from overseas, Manchester Airport is two hours away and Heathrow Airport just three and a half. Flights from nearby Leeds Bradford Airport provide easy access to mainland Europe. By Eurostar from London St Pancras, Paris is just over six hours away.

Yorkshire

The Lonely Planet guide recently declared Yorkshire the third best region in the world to visit. There is something to cater to every taste, whether it be the rugged landscapes of the Moors or the Dales, the picturesque seaside towns of Scarborough and Robin Hoods Bay, the gothic architecture of Whitby or the vibrancy of cosmopolitan Leeds.
Apply online

- Go to [https://jobs.york.ac.uk](https://jobs.york.ac.uk)
- Find this job using reference 6766
- Complete the online application form

You will need to submit your completed application by midnight (local UK time) on 16 July 2018

What will I need?

You will need to upload:

- your CV
- a letter describing how you meet the requirements of the job

You will also need details of 3 referees.

Help and assistance

Direct any informal queries to neilaudsley@york.ac.uk or simon.okeefe@york.ac.uk

If you have any questions about your application, contact the HR Services team:

recruitment@york.ac.uk

+44 (0)1904 324835