Associate Lecturer in Audio and Music Technology
Electronic Engineering

Closing date: 28 September 2018
Interview date: TBC
Vacancy reference: 6980
INTRODUCTION

This full time position is for a period of 4.5 years to provide cover for teaching and related duties in the area of audio and music technology due to the department having been awarded a large research grant for a member of staff.
Main purpose of the role

- To lecture, run laboratories, 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 module 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, laboratories, tutorials and other forms of undergraduate and postgraduate teaching. Set and mark coursework and exams, providing constructive feedback to students.
- To develop where appropriate revisions to existing modules or courses in terms of design, content, structure, forms of delivery, method of assessment.
- To develop own teaching materials, methods and approaches, with guidance. Obtain and analyse feedback on own teaching design and delivery to facilitate this.
- To contribute to the development of new teaching approaches and course proposals and to the design of curricula which are academically excellent, coherent and intellectually challenging.
- To ensure that course design and delivery comply with the quality standards and regulations of the University and department.

Administrative and support responsibilities

- To provide – with mentoring - supervision to students, giving advice on study skills and helping with learning problems.
- To identify the learning needs of students and define learning objectives.
- To supervise student projects, field trips and, where appropriate, placements.
- To undertake various administrative responsibilities as requested by the Head of Department.

Involvement in scholarship and development

- To investigate innovative teaching, learning and assessment methods and techniques in the sector, bringing new insights to the department.
# PERSON SPECIFICATION

## Qualifications

<table>
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<tr>
<th>Essential / Desirable</th>
<th>Qualifications</th>
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<tbody>
<tr>
<td><strong>Essential</strong></td>
<td>PhD in Music Technology, Electronic Engineering, Computer Science or equivalent, with a clear focus on audio and music technology in an applied engineering field or close to completion, or equivalent experience</td>
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<tr>
<td><strong>Essential</strong></td>
<td>Appropriate academic professional and teaching qualification or a willingness to complete the Postgraduate Certificate in Academic Practice</td>
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## Knowledge

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<tr>
<th>Essential</th>
<th>Knowledge</th>
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<tbody>
<tr>
<td><strong>Essential</strong></td>
<td>Detailed knowledge in Audio and Music Technology sufficient to develop teaching and provide relevant learning support to students across different levels of academic ability</td>
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<tr>
<td><strong>Essential</strong></td>
<td>Detailed knowledge of software common to support teaching and learning in Audio and Music Technology and in particular MATLAB, Pure Data, Nuendo and Reaper.</td>
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<tr>
<td><strong>Desirable</strong></td>
<td>Specific knowledge of programming environments to support teaching and learning in Audio and Music Technology and Electronic Engineering more generally, including MAX/MSP, iOS, C/C++, and Unity.</td>
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<tr>
<td><strong>Essential</strong></td>
<td>Detailed knowledge of different approaches to facilitate teaching and learning in Audio and Music Technology, in particular practical electronic engineering lab sessions, studio recording work, anechoic chamber/listening room experimental methods.</td>
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## Skills, abilities and competencies

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<tr>
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<tr>
<td><strong>Essential</strong></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><strong>Essential</strong></td>
<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><strong>Essential</strong></td>
<td>Ability to supervise the work of students, provide advice on study skills and assist with learning problems</td>
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<td><strong>Essential</strong></td>
<td>Ability to contribute to the design of course material, content and new teaching approaches in the department</td>
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<td><strong>Essential</strong></td>
<td>Ability to manage and deliver own teaching</td>
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<td><strong>Essential</strong></td>
<td>Ability to plan, manage, organise and assess own teaching contributions</td>
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<tr>
<td><strong>Essential</strong></td>
<td>Ability to develop plans to innovate in our delivery of Audio and Music Technology to bring new insight to the department.</td>
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# PERSON SPECIFICATION

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<tr>
<th>Experience</th>
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<tr>
<td>Experience in teaching and learning in HE at undergraduate and postgraduate level or in an evidenced similar context</td>
<td>Essential</td>
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<td>Experience of using different delivery techniques to enthuse and engage students</td>
<td>Essential</td>
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<td>Evidence of successful planning and designing teaching material</td>
<td>Essential</td>
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<tr>
<th>Personal attributes</th>
<th>Essential / Desirable</th>
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<tr>
<td>Attention to detail and commitment to high quality</td>
<td>Essential</td>
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<td>Creativity, initiative and judgement in applying appropriate approaches to teaching and learning support</td>
<td>Essential</td>
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<td>Collaborative ethos</td>
<td>Essential</td>
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<td>Positive attitude to colleagues and students</td>
<td>Essential</td>
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<td>Willingness to work proactively with colleagues in other work areas/institutions</td>
<td>Essential</td>
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<td>Ability to plan and prioritise own work in order to meet deadlines</td>
<td>Essential</td>
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<tr>
<td>Commitment to personal development and updating of knowledge and skills</td>
<td>Essential</td>
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THE DEPARTMENT

The Department of Electronic Engineering at York undertakes world-leading research with groups working in multidisciplinary areas including: electronic and computer engineering, specifically, bio-inspired adaptive architectures and systems; applied electromagnetics, signal processing and coding for communications; nano-scale device fabrication and analysis; autonomous and robotic systems and electronics for healthcare; audio and music technology. Our key research areas fit into three overarching groups:

- Communication Technologies
- Intelligent Systems and Nano-science
- Engineering Education and Management

The successful applicant will be working within the Audio Lab, helping to deliver across our portfolio of leading programmes in Electronic Engineering and Audio and Music Technology, at both undergraduate and postgraduate levels.

In the 2014 REF 87% of our research outputs were judged world-leading or internationally excellent. Our research groups work with industry and universities across the world while providing a friendly and supportive environment for staff and students.

Our department has a long-standing reputation for high-quality teaching and learning and highly employable graduates. Our MEng and BEng undergraduate programmes in a number of subject areas are fully accredited by the IET (Institution of Engineering and Technology) at CEng (Chartered Engineer) level: http://www.york.ac.uk/electronics/undergraduate/. The Department is consistently highly ranked for Electronic Engineering in the annual National Student Survey and we are ranked 1st in the UK for graduate employment within one year of leaving the university (Longitudinal Education Outcomes (LEO) 2017).

Within Electronic Engineering our student body consists of approx. 400 undergraduate students and 200 postgraduate students. Our taught postgraduate students undertake one of our suite of MSc programmes, covering the latest technologies and skills in important industry sectors. We have a vibrant community of postgraduate research students enrolled on our PhD programme bringing our total student cohort to around 600 students.

The Department has 40 academic staff (including part-time and job share), research staff and a team of support staff, providing administrative and technical assistance in the department.
THE DEPARTMENT

The Department continues to hold the Bronze Award from Athena SWAN which was won in 2013 in recognition of our commitment to equality. We are proud to foster a supportive culture that helps staff and students reach their full potential and we embrace equality, diversity and inclusion as well as the values of the Athena Swan Charter in all our departmental activities.

The Department of Electronic Engineering operates a family friendly policy and is committed to gender equality and diversity. The Department recognises that a flexible approach to working is vitally important in the recruitment and retention of staff who have family commitments. The Department offers flexible working hours to all staff and will actively support job sharing and career break requests where it is reasonable and practical to do so and where operational needs will not be adversely affected.

The Department provides support for all categories of staff in their applications for promotion, role reviews, awards and prizes and rewarding excellence nominations. The Department strives to address gender inequalities and ensure that there is a culture that supports equality and encourages better representation throughout the department. Support for women at all stages of their career is recognised as being extremely important.

Further details of the Department can be found on its website: https://www.york.ac.uk/electronic-engineering/
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 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.

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 6980
- Complete the online application form

You will need to submit your completed application by midnight (local UK time) on 28 September 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 two referees.

Help and assistance

Direct any informal queries to Professor Andy Tyrrell at andy.tyrrell@york.ac.uk or Professor Damian Murphy at damian.murphy@york.ac.uk

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

recruitment@york.ac.uk
+44 (0)1904 324835