

LECTURER IN DIGITAL TECHNOLOGIES

Job Ref: REQ17403

As part of the University's ongoing commitment to redeployment, please note that this vacancy may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.

Job Description

Job Grade

Research, Teaching and Enterprise Grade 6/7

Job Purpose

To contribute to and enhance the research, teaching and enterprise activities of Institute for Digital Technologies in the areas of audio/video signal processing, Internet of Things and cyber-security in support of the University Strategy, Building Excellence.

Job Duties

Research

- To pursue a personal research programme consistent with the research priorities of the Institute for Digital Technologies that increases the global visibility and reputation of the University.
- To secure external research funding.
- To supervise and manage research projects funded through internal and external funding sources.
- To publish the outcomes of research in outlets of international standing.
- To attend and contribute to major international conferences.
- To supervise postgraduate students at Masters and Doctoral levels.
- To develop links with industry and international institutions for future growth of research and dissemination of research outputs, and enterprise partnerships.
- To collaborate in research initiatives with colleagues with overlapping or complementary research interests.

Teaching

- To be responsible for the design and delivery of specific areas of teaching and learning within the School's postgraduate programmes.
- To work with colleagues in Loughborough University London to deliver an exceptional learning environment for students.
- To teach and inspire postgraduate students at Loughborough University London and to conduct associated assessments.
- To provide academic and pastoral support to postgraduate students.
- To promote the use of a range of methods and techniques in teaching, learning and assessment.
- To engage in the evaluation and development of modules for which you have responsibility, in terms of content, delivery and assessment.
- To cooperate with colleagues in the continuous review and development of the School's taught programmes and curriculum.

Enterprise

- To engage with business, public and voluntary organisations through knowledge exchange activities such as student projects and placements, research collaboration, consultancy and specialist training.
- To create social, cultural and economic impact from academic, especially research, activity.
- To secure external funding in support of these activities.
- To seek opportunities for the commercialisation of research and the formation of social enterprises.

Related Activities and Functions

- To work effectively with relevant administrative, technical and academic staff at the London campus.
- To carry out specific administrative roles and functions as may be reasonably required, e.g. Responsible Examiner, Programme Co-ordinator, Personal Tutor.
- To take part in and, on occasion, act as chair of one or more committees at the London campus.
- To engage in training programmes in the University (e.g. through Staff Development) which are consistent with your needs and aspirations and those of the School.
- To undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.
- To engage fully with the annual Performance and Development Review (PDR) process.

Points to Note

The purpose of this job description is to indicate the general level of duties and responsibility of the post. The detailed duties may vary from time to time without changing the general character or level of responsibility entailed.

Special Conditions

This post will be based at Loughborough University's London campus on the Queen Elizabeth Olympic Park. The successful candidate should have a willingness to travel to Loughborough University's main campus for meetings, research and training.

All staff have a statutory responsibility to take reasonable care of themselves, others and the environment and to prevent harm by their acts or omissions. All staff are therefore required to adhere to the University's Health, Safety and Environmental Policy & Procedures.

All staff should hold a duty and commitment to observing the University's Equality & Diversity policy and procedures at all times. Duties must be carried out in accordance with relevant Equality & Diversity legislation and University policies/procedures.

Successful completion of probation will be dependent on attendance at the University's mandatory courses which include Respecting Diversity and, where appropriate, Recruitment and Selection.

Organisational Responsibility

Reports to the Director of Institute for Digital Technologies, Loughborough University London.

Person Specification

Job Title: Lecturer in Digital Technologies
Job Grade: Research, Teaching and Enterprise, Grade 6/7

Your application will be reviewed against the essential and desirable criteria listed below. Applicants are strongly advised to explicitly state and evidence how they meet each of the essential (and desirable) criteria in their application. Stages of assessment are as follows:

- 1 – Application
- 2 – Test/Assessment Centre/Presentation
- 3 – Interview

Essential Criteria

Area	Criteria	Stage
Qualifications	An outstanding educational profile up to and including first degree and/or Masters related to Digital Technologies (e.g. Electronic Engineering, Telecommunications, Computer Science/Networks, or Physics).	1
	A PhD degree in multimedia signal processing, computer science or an equivalent field closely related with the subjects of interest.	
Experience	Experience of working in high quality academic or industrial research environment, including minimum 3 years of post-doctoral research experience or equivalent in areas closely associated with the subjects of interest (examples: 2D/3D video processing, active sound control, audio/video data analysis, Internet of Things, cryptography, network and communication security).	1, 2, 3
	Experience of presenting research work at international conferences.	1
	Experience of teaching and assessment at undergraduate and/or postgraduate level.	1, 3
	Experience with teaching diverse student groups.	1, 3
	Evidence of successfully supervising taught and research students' projects at Masters and Doctoral Levels.	1, 3
	Evidence of research and teaching activity in Digital Technologies consistent with the needs of Loughborough University London.	1
	Evidence of authoring original work, in the highest quality refereed academic journals and/or substantial international collaborative reports.	1
Skills and Abilities	Ability to develop original research programmes on your own initiative and to persuade others of its importance.	2,3
	Ability to identify and develop potential social / cultural / economic impact from professional activity.	2,3
	Knowledge of research and enterprise funding opportunities in UK HE and understanding of how to secure funding.	2,3
	Ability to secure research / project funds from external sources	1, 3
	Ability to take part and/or lead in module and programme development	1, 3
	Ability to teach and supervise postgraduate students in Digital Technologies	1, 2, 3
	Ability to provide tutorial and counselling advice to students	1

	Excellent communication and interpersonal skills	2,3
	Ability to work independently and as part of a team.	1,3
	Excellent IT skills.	1
	Proven technical skills and working knowledge in the areas closely related to the subjects of interest (examples: algorithm and project development using MATLAB, C/C++, computational acoustic modelling, active sound control and noise cancellation, multimedia compression and communication standards, DSP HW/SW development for advanced signal processing, security and cryptography packages).	1, 3
Training	Demonstrate evidence of having undertaken further training in relation with the professional activities.	1, 3
	Formal recognition of professional standing in teaching in HE (e.g. Associate Fellow or Fellow of the HEA).	1, 3
Other	Commitment to observing the University's Equal Opportunities policy at all times.	1,3

Desirable Criteria

Area	Criteria	Stage
Qualifications	Achieved or progressing towards appropriate professional status	1
Experience	Teaching experience in multidisciplinary courses	1
	Experience in the preparation and successful bidding of research grants and acquaintanceship with the associated rules	1
	Experience in working with multiple international academic/industrial partners in collaborative research projects	1, 3
	Experience in technical task and/ or work package management in large-scale research projects	1
Skills and Abilities	Knowledge of the challenges faced in UK HE	3

Conditions of Service

The two positions are full-time and open-ended. Salary will be on Research, Teaching and Enterprise Grade 6, £34,956 to £38,183 per annum or Research, Teaching and Enterprise Grade 7, £39,324 to £46,924 per annum, subject to annual pay award, plus £3,033 London Weighting per annum, at a starting salary to be confirmed on offer of appointment.

The appointment will be subject to the University's normal Terms and Conditions of Employment for Academic and Related staff, details of which can be found [here](#).

The University is committed to enabling staff to maintain a healthy work-home balance and has a number of family-friendly policies which are available at <http://www.lboro.ac.uk/services/hr/a-z/family-leave-policy-and-procedure---page.html>.

Loughborough University London Staff are eligible to apply for an interest free season ticket loan and corporate gym membership.

In addition, the University is supportive, wherever possible, of flexible working arrangements. We also strive to create a culture that supports equality and celebrates diversity throughout the campus. The University holds a Bronze Athena SWAN award which recognises the importance of support for women at all stages of their academic career. For further information on Athena SWAN see <http://www.lboro.ac.uk/services/hr/athena-swan/>

Informal Enquiries

Informal enquiries should be made to Professor Ahmet Kondoç, Institute Director for Digital Technologies, Loughborough University London by email at a.kondoç@lboro.ac.uk

Applications

The closing date for receipt of applications is **11 June 2017**. **Interviews are scheduled to be held in June 2017**.