Job Description

Job Title:	**Lecturer in Robotics**
Job Ref:	**SCT361- R**
Campus:	**Hendon**
Grade:	**Grade 7**
Starting Salary:	**£43,206 per annum inclusive of Outer London Weighting rising to £49,444 incrementally each year.**
Hours:	**The duties and responsibilities of a Lecturer are wide-ranging. You will be expected to work hours as are reasonably necessary in order to fulfill your duties and responsibilities.**
FTE:	**1.0**
Period:	**Permanent**
Reporting To:	**Head of Department**

Role Summary
The role will be held by a developing academic who combines research with learning and teaching, and knowledge transfer and a broader contribution to their programme area. The post holder will join an established and supportive academic group, teaching on a range of programmes in engineering, broadly covering design engineering, mechatronics and robotics related subjects at undergraduate and postgraduate levels.

Job Purpose
To conduct and contribute to research, learning and teaching, and knowledge transfer to the benefit of students, the Department, the University and the wider community.

Main responsibilities

Learning and teaching

- Deliver high quality teaching to students
- Design, develop and review teaching activities and materials
- Identify best and innovative practices in learning and teaching and build these into personal teaching practice
- Maintain an understanding of how emerging research in the subject discipline can shape and improve the curriculum, and inform personal teaching practice
- Contribute to course/programme review and design
- Give effective advice, guidance and feedback to students, to support their academic progress
- Enhance student experience and outcomes

Research and knowledge transfer

- Contribute to or lead (under guidance) applications for research and knowledge transfer funding

- Individually or with others, conduct and disseminate the outputs of high quality research, normally of international standard
- Develop and maintain a network of research and knowledge transfer related contacts, in the University and the wider specialist community
- Be committed to ensuring that research has impact beyond academia
- Continually update own knowledge in the field of specialism.
- Supervise Undergraduate/Masters students and contribute to doctoral supervision

Academic Leadership and Management

- Lead learning and teaching activities in a particular area as agreed, e.g. module leadership
- Contribute to the administration of the academic programme, by supporting student recruitment, induction, outreach etc
- Advise and coach colleagues
- Undertake other activities, as required.

Annual Leave

35 days per annum plus eight Bank Holidays and seven University days taken at Christmas (pro rata for part-time staff) which may need to be taken as time off in lieu.

Flexibility

Please note that given the need for flexibility in order to meet the changing requirements of the University, the duties and location of this post and the role of the post-holder may be changed after consultation. The balance of duties may vary over time and will be reviewed as part of the appraisal process.

PERSON SPECIFICATION

Post Title: **Lecturer in Robotics**

Knowledge, Skills and Experience

Essential Requirements

- Appropriate academic qualifications at postgraduate level (normally a doctorate or equivalent)
- Commitment to attracting research and or knowledge transfer funding
- Demonstrable experience of developing and teaching courses in an HE environment in **application of machine learning / AI in robotic systems** PLUS at least THREE of the following areas:
    - Robotic system design including industrial manipulators and mobile systems
    - Developing applications of Robot Operating Systems (ROS)
    - Vision systems in robotic applications
    - Programming microcontrollers and embedded system applications related to robotics
    - System integration involving robotic devices
- Evidence of research performance and research outputs of international standard
- Ability to deliver high quality teaching in a **practice-based** HE environment
- Understanding and proven experience of research methods and processes
- Understanding of good professional practice in learning and teaching
- Commitment to completing formal training in academic practice
- Demonstrable commitment to fairness and the principles of equality and inclusion.

Desirable Requirements

- Experience of teaching in any of the following:
    - Discrete event simulation modelling
    - Fundamentals of mechanical engineering principles
- Organising outreach activities to promote the discipline.
- Active engagement with industry
- Membership of a relevant professional body.

Parking at Hendon campus

There are currently *Regular Parking Permits and Pre-Paid Parking options* available to new joiners. Further details are available on the Travel and transport page on the staff intranet. *Please note if the number of applications becomes oversubscribed these parking options could be withdrawn at any point.*

Information for Disabled Staff
Staff and visitors with their own current blue badge have access to free parking on campus. All blue badge holders should present a copy of their blue badge to the security office in the Quad. Holders will be given car park access up to the date of expiry of their blue badge.

Public Transport
Our Hendon Campus is well served by public transport with buses, London underground and British Rail services all within a short walk of the campus. You can get detailed journey information from TfL (www.tfl.gov.uk) and have a look at our directions and location to help plan your travel: http://www.mdx.ac.uk/aboutus/Location/hendon/directions/index.aspx

We offer an interest-free season ticket loan, interest-free motorbike loan, a cycle to work scheme and bicycle and motorbike parking and changing facilities.

We value diversity and strive to create a fairer, more equitable work environment for our staff and students.

We offer a range of family friendly, inclusive employment policies, flexible working arrangements, staff diversity networks, campus facilities and services to support staff from different backgrounds.

The postholder should actively follow Middlesex University policies and procedures and maintain an awareness and observation of Fire and Health & Safety Regulations.

What Happens Next?

If you wish to discuss the job in further detail, please contact Prof Mehmet Karamanoglu - M.Karamanoglu@mdx.ac.uk