



OLLSCOIL NA GAILLIMHÉ  
UNIVERSITY OF GALWAY

**Lecturer in Intelligent Robotics  
Full-Time, Permanent, Contract Type B**

**Ref #: 011703**



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College	Science and Engineering
School	Engineering
Post Title & Subject Area	Lecturer in Intelligent Robotics
Post Duration	Permanent
Level	Lecturer Type B
Reports to	Head of Electrical & Electronic Engineering, Head of School of Engineering

## JOB ADVERTISEMENT

Applications are invited for the permanent position of Lecturer in Intelligent Robotics in the School of Engineering at University of Galway. The School is seeking applications from suitably qualified candidates with a competitive background in Electronic Engineering, with a specific focus in Robotics, Automation, Sensors, Artificial Intelligence.

Contemporary intelligent robotics is advancing rapidly, driven by breakthroughs in machine learning, embodied AI, sensor fusion, and collaborative automation. Modern robotic systems increasingly integrate real time perception, adaptive control, and semantic understanding, enabling robots to operate safely and autonomously in dynamic, unstructured environments. As robotics converges with cloud computing, largescale simulation, and foundation models for action and perception, new opportunities are emerging for teaching and research leadership in areas such as autonomous systems, advanced sensing and perception, cognitive robotics, and next generation intelligent machines. This creates an exciting landscape for an academic who is eager to help shape the future of intelligent robotics and its transformative societal impact.

The appointee will be expected to contribute to undergraduate and postgraduate teaching, programme development, student project supervision, and administration activities for the Masters programmes in Intelligent Robotics, Electrical and Electronic Engineering, Electronic and Computer Engineering, and Medical Electronics. Primary teaching responsibilities will be in the areas of Robotics, Automation, Sensors and Artificial Intelligence, though may be in other areas depending on the needs of the school. Of particular importance will be the ongoing development, marketing, management (including Programme Directorship) and delivery of postgraduate taught programmes, including new programmes and modules in Intelligent Robotics, and other programmes managed by Electrical and Electronic Engineering, as appropriate. The successful candidate will develop new teaching, drawing on their up-to-date knowledge of the state of the art in intelligent robotics, to prepare students for careers in the rapidly growing industry, in Ireland and globally.

The appointee will be expected to develop a world-class funded research programme and expand research in Electrical and Electronic Engineering, which has active clusters in Connected and Autonomous Vehicles, Computational Imaging, Embedded Systems, Power Electronics, Medical Electronics, Visual Media Enhancement and Communications ([EEE Research](#)). The appointee will collaborate

with colleagues across the School of Engineering, the College of Science and Engineering and research institutes of the University. Successful candidates will be expected to apply for major funding awards, for example from Research Ireland, the European Research Council and Horizon Europe, and will develop national and international collaborations with academia and industry. The new appointee will be expected to disseminate their work through high quality peer-reviewed journals, high-impact conferences, and workshops.

### **The successful candidates shall possess:**

- A primary degree and PhD in Electrical/Electronic/Computer/Robotics Engineering, or a closely related discipline;

- Experience in third level teaching/teaching support/student supervision;
- An appropriate portfolio of peer-reviewed journal publications, and the capacity to develop an excellent research programme in Intelligent Robotics and related application areas;
- An ability and commitment to conduct programme administration and management in a public service university environment;
- Excellent communication and teamwork skills, and an ability and commitment to develop collaborative relationships with other academic staff in the pursuit of teaching and research objectives in electrical, electronic and computer engineering;
- A strong commitment to working with the Engineering (and closely related) industry, particularly in terms of collaborative research.
- Post-doctoral (or equivalent) experience in a relevant area.

### **Equality and Diversity**

University of Galway is an equal opportunities employer. The University and the School of Engineering have a deep commitment to equal opportunities, and in 2018 University of Galway was conferred with the Athena Swan Bronze Award. The School of Engineering is deeply committed to making real and lasting changes to career development in supporting and advancing women throughout the pipeline at undergraduate, graduate, postdoctoral and academic staff levels.

Engineering at University of Galway has demonstrated significant leadership in this area, being the first School of Engineering in the Republic of Ireland to receive a Silver award. More information on School, College and University activities in this domain can be found on [www.universityofgalway.ie/womeninengineering/](http://www.universityofgalway.ie/womeninengineering/), [www.universityofgalway.ie/science-engineering/edi/](http://www.universityofgalway.ie/science-engineering/edi/), and <http://www.universityofgalway.ie/genderequality/>.

For detailed information on the requirements, please refer to the Eligibility Requirements section of the Job Description.

For informal enquiries, prospective applicants are welcome to contact:

Prof Martin Glavin, Head of Electrical & Electronic Engineering: [martin.glavin@universityofgalway.ie](mailto:martin.glavin@universityofgalway.ie)  
 Prof. Maeve Duffy, Electrical & Electronic Engineering: [maeve.duffy@universityofgalway.ie](mailto:maeve.duffy@universityofgalway.ie)

Additional information on the School is available at: [School of Engineering](#)  
 with additional information on Electrical & Electronic Engineering available at: [Electrical and Electronic engineering](#)

### **Salary:**

**€64,903 to €103,538 p.a (applicable to new entrants effective from January, 2011)**

This appointment will be made on the Lecturer scale in line with current Government pay policy and in accordance with the terms and conditions of the University's Remuneration policy. [QA321-Updated-PP-Remuneration.pdf \(universityofgalway.ie\)](#)

**Closing date for receipt of applications is 17:00 (Irish Time) on 21<sup>st</sup> May 2026. It will not be possible to consider applications received after the closing date.**

**Appointments will be conditional on work authorisation validation.**

**Further details are available at [www.dbei.ie](http://www.dbei.ie)**

**For more information and Application Form please see website:**

[Jobs - University of Galway](#) Applications should be submitted online.

Please see further information on how to apply here: [E-Recruit - University of Galway](#) and [Guidelines for On-line Applications \(universityofgalway.ie\)](#)

Please note that appointment to posts advertised will be dependent upon University approval, together with the terms of the Employment Control Framework for the higher education sector.

University of Galway is an equal opportunities employer.

## **BACKGROUND**

Ollscoil na Gaillimhe – University of Galway has been inspiring minds since 1845 as a research-led university. It is one of the oldest and largest universities in Ireland. The campus community includes over 21,000 students and staff and 110,000 alumni located in over 100 countries across the world. University of Galway has earned international recognition as a research-led university with a commitment to top quality teaching. University of Galway is counted among the Top 300 universities in the world, positioned in the top 2% in QS global rankings. The university has committed to aligning all major activities, including teaching, research, operations and engagement to the Sustainable Development Goals (SDGs), targets and indicators. University of Galway is ranked 34<sup>th</sup> in the world and first in Ireland in the Times Higher Education's Impact Rankings.

The College of Science and Engineering at University of Galway provides a fertile career development environment for a new lecturer in Intelligent Robotics. The School of Engineering is one of the premier engineering schools in Ireland, with a long tradition of excellence dating back to 1849. The School is based within the award-winning Alice Perry Engineering Building, the largest engineering education facility in Ireland (14,000-m<sup>2</sup>), which provides world-class facilities for engineering teaching and research. This includes state-of-the-art engineering laboratories, research space and computer suites.

The School has four primary subject areas: Electrical and Electronic, Mechanical, Biomedical, and Civil Engineering. Since its foundation at University of Galway Electrical & Electronic Engineering has established a reputation for excellence in teaching, research, and industry collaboration. At undergraduate level, two well established, five-year Masters of Engineering (M.E.) programmes in Electrical and Electronic Engineering and Electronic and Computer Engineering, are offered, which are accredited by Engineers Ireland as meeting the educational standards for Chartered Engineer, with international recognition through the Washington Accord. Industrial experience is embedded in our engineering education programmes, with a structured work placement opportunity for every student. In 2024 we launched two MSc Programmes in Intelligent Robotics and Medical Electronics & Digital Health, and Our staff also have leading roles in the Masters in Energy Systems Engineering. As well as contributing to programmes in the discipline of Electrical & Electronic Engineering, the appointee will be encouraged to avail of opportunities for appropriate collaborative teaching and research initiatives across the College of Science and Engineering.

There is also an excellent research ethos in the School of Engineering, which has over 150 research graduate research students and post-doctoral researchers supported through a large portfolio of funded programmes. The Electrical and Electronic Engineering research profile spans a wide range of branches of the discipline, including Connected and Autonomous Vehicles, Computational Imaging, Embedded Systems, Power Electronics, Medical Electronics, Visual Media Enhancement, AI and Communications. The School of Engineering has strong links with industry (Valeo Vision Systems, IBM, Aerogen, Medtronic, McHale, Fotonation) and the national research community. Staff and graduates of the School of Engineering have been instrumental in the growth of innovative indigenous

companies in the sector, in areas including intelligent automation, web services, IC design, cybersecurity. There is significant scope for the new lecturer to influence the development of the research and teaching agenda of the School of Engineering, particularly in the area of intelligent robotics, while leveraging many exciting research synergies across the College and beyond.



## **JOB DESCRIPTION**

### **Principal Duties and Responsibilities**

The post-holder duties will include, but not be limited to, the following:

### **Teaching**

To give instruction and supervision, as directed by the Head of School/Head of Electrical and Electronic Engineering, to students of the University in relevant courses and programmes managed by the School or which the School contributes to another School or College. Such duties to include programme, curriculum and module design, programme management as needed, preparation and delivery of lectures, tutorials, project supervision and general examination and other assessment responsibilities. The post-holder is also required to be available to students for academic counselling and advice. Academic activities may also include laboratory, workshop, site visits and other off-campus activities.

### **Research**

To lead research and other creative and innovative activity as appropriate to the position, and to the broader research mission of the School of Engineering. The post-holder is required to disseminate their research in academic publications, other outlets as appropriate and to participate in postgraduate supervision. The post-holder is required to engage in initiatives to seek research funding, as appropriate. The post-holder is also encouraged to promote and engage in the development of collaborative research.

### **Contribution and Scholarly Activity**

To participate in academic administration at School, College and University levels as part of their contribution to the University. To engage with the wider community regionally, nationally and internationally from a civic, economic, social and cultural perspective as a contribution to the life of the University. In representing the University externally, the post-holder is expected to maintain the highest professional standards, thereby enhancing the reputation of the University. The post-holder is expected to engage in scholarly activity such as, but not limited to, refereeing of journals, membership of discipline-related academic and industry bodies and peer review panels and work associated with external examinership.

The post-holder shall carry out these duties under the direction of the Head of Electrical & Electronic Engineering, and the Head of School of Engineering.

The post-holder shall be a member of the College of Science and Engineering in accordance with University Statutes.

The hours of work are those prescribed under the Public Service Agreement in respect of Academic Staff.

# ELIGIBILITY REQUIREMENTS

## Essential Requirements:

- A primary degree and PhD in Electrical/Electronic/Computer/Mechatronics Engineering, or a closely related discipline;
- Experience in third-level teaching/teaching support/student supervision in the topics of Intelligent Robotics for Electrical, Electronic or Computer Engineering;
- Experience in the development, management and delivery of Masters-level taught modules, projects and programmes, particularly in areas relevant to the position.
- An appropriate portfolio of peer-reviewed high-impact journal publications in areas related to Robotics, Automation, Sensors, Artificial Intelligence;
- A demonstrated ability and ambition to develop a world-class funded research programme in the above areas;
- Excellent communication and teamwork skills, and an ability and commitment to develop collaborative relationships with other academic staff in the pursuit of teaching and research objectives in intelligent robotics, and related areas in electrical, electronic and computer engineering;
- A strong commitment to working with relevant industry partners, particularly in terms of collaborative research.
- Post-doctoral (or equivalent) experience in a relevant area.

## Desirable Requirements:

- Industry experience.
- A formal qualification in third-level teaching and learning (or a willingness to complete such a programme if appointed).
- Experience in outreach and student recruitment.
- Knowledge of industry standards and/or regulatory environment in relevant areas.

## Appendix 2: Competency Framework for Lecturer (Contract Type B) Roles at University of Galway

	Academic Excellence		Leadership Excellence		Organisational Excellence
<b>CORE</b>	<ul style="list-style-type: none"> <li><b>Excellence in Research</b></li> </ul> <p>The Lecturer (Contract Type B) furthers their discipline and contributes to the body of knowledge in their area through planning, carrying out and publishing/ disseminating their own high quality research, building and leading research groups and providing supervision and support for postgraduate students to enable them to produce quality research. They keep up to date with relevant developments in their field and network and collaborate with others, both internally and externally, to optimise the value and relevance of the research being produced and to maximise the School's/Discipline's ability to attract research funding.</p>	<b>CORE</b>	<ul style="list-style-type: none"> <li><b>Personal Effectiveness</b></li> </ul> <p>The Lecturer (Contract Type B) is enthusiastic about their discipline and is committed to making their best personal contribution through employing excellent planning and organising, communication and decision making skills to achieve their goals and through working hard and being flexible in order to meet the multiple and changing demands of the Lecturer (Contract Type B) role.</p>	<b>CAPACITY TO DEVELOP</b>	<ul style="list-style-type: none"> <li><b>Strategy &amp; Vision</b></li> </ul> <p>The Lecturer (Contract Type B) should contribute to the strategic development of the discipline by developing a strong awareness of the wider environment, how the discipline is developing and how the School/Discipline can develop in the long term to optimise its contribution. He /She must have the ability to make a strong case for the development of new programmes or engaging in joint programmes or collaborations that they feel will add long term value to the School/Discipline.</p>
<b>CORE</b>	<ul style="list-style-type: none"> <li><b>Excellence in Teaching</b></li> </ul> <p>The Lecturer (Contract Type B) develops and delivers quality teaching programmes which engage and inspire students at all levels and maximises their learning. They are confident in using a range of teaching techniques, are open to innovations in teaching and are focused on continually developing their own teaching skills.</p>	<b>CAPACITY TO DEVELOP</b>	<ul style="list-style-type: none"> <li><b>Leading Others</b></li> </ul> <p>The Lecturer (Contract Type B) must work well with others, providing leadership and direction to students, colleagues and support staff in relation to projects or areas of work that they are leading on. They effectively encourage, support and manage the contributions of others to deliver results for the discipline and to ensure that high standards are met.</p>	<b>DEVELOPING</b>	<ul style="list-style-type: none"> <li><b>Collegiate &amp; Community Contribution</b></li> </ul> <p>The Lecturer (Contract Type B) values and engages in a collegiate approach to working with others, within their own discipline, school and university and also within the wider external community. S/he actively seeks to build effective networks and is willing to contribute their time and expertise to a range of broader university wide or community projects.</p>

## **Competencies for Lecturer (Contract Type B) in University of Galway**

### **ACADEMIC EXCELLENCE**

#### ***Competency 1: Excellence in Research***

**The Lecturer (Contract Type B) furthers their discipline and contributes to the body of knowledge in their area through planning, carrying out and publishing/ disseminating their own high quality research, building and leading research groups and providing supervision and support for postgraduate students to enable them to produce quality research. They keep up to date with relevant developments in their field and network and collaborate with others, both internally and externally, to optimise the value and relevance of the research being produced and to maximise the School's/Discipline's ability to attract research funding.**

- Conducts high quality research that furthers the School / Discipline
- Publishes research frequently in high quality, peer-reviewed journals and presents research at high profile conferences
- Builds up collaborative links and networks with other organisations and keeps up to date with research in own area and what is happening in the international research community
- Goes to relevant conferences, and works with industry and other relevant external bodies to keep research relevant
- Writes strong research and grant proposals which sells the value and potential benefits of a piece of research
- Effectively plans research and can estimate the time and resources required to complete it, and delivers on schedule
- Provides quality supervision and guidance in relation to the research of undergraduate and postgraduate students, motivating and encouraging them to help them overcome problems

#### ***Competency 2: Excellence in Teaching***

**The Lecturer (Contract Type B) develops and delivers quality teaching programmes which engage and inspire students at all levels and maximises their learning. They are confident in using a range of teaching techniques, are open to innovations in teaching and are focused on continually developing their own teaching skills.**

- Provides a high standard of teaching to students across a range of programmes in their discipline
- Provides mentoring and supervision to PhD students / projects / programmes as required
- Leads on/contributes to the development and review of the curriculum and programmes delivered and encourages other staff to contribute
- Confident teaching student groups of various sizes and at different levels
- Competent and consistent in setting and organising/co-ordinating the marking of examinations
- Demonstrates, through their teaching, strong enthusiasm for their subject area and a high level of up to date knowledge and expertise in their area

- Competent in a range of teaching methods and strategies and is willing to continually evaluate and develop their teaching methods and skills, looking for better ways of teaching
- Open to using technological innovation as part of their teaching and keeps up-to-date with developments in this area
- Organises and structures their teaching logically to help maximise learning and ensure a good student experience
- Keep students engaged by incorporating research and current topics into teaching and informing their teaching by what is going on in the wider environment and including external input
- Demonstrates a commitment to students and gives the time and effort to engage with, and be accessible to students
- Has the ability to give constructive and timely feedback and advice to students
- Balances a concern for students with a focus on being consistent and equitable in their treatment
- Benchmarks teaching programmes against those in other universities and aims to ensure they are of a high standard
- Works with students to prevent plagiarism, and puts systems in place to detect and manage plagiarism

## **LEADERSHIP EXCELLENCE**

### ***Competency 3: Personal Effectiveness***

**The Lecturer (Contract Type B) is enthusiastic about their discipline and is committed to making their best personal contribution through employing excellent planning and organising, communication and decision making skills to achieve their goals and through working hard and being flexible in order to meet the multiple and changing demands of the Lecturer (Contract Type B) role.**

- Demonstrates excellent planning, organisation and prioritisation skills, to effectively meet deadlines and to deliver to high standards across the areas of teaching, research and administration
- Has good time management skills to manage a heavy workload
- Demonstrates clear commitment and is willing to work hard for the success of their area
- Has a reflective approach to their own work and can consistently review it in order to ensure it is of the highest possible standard
- Active in reviewing systems and processes to maximise the time available for research and teaching
- Flexible and adaptable in managing competing demands while protecting core values
- Shows a strong commitment to keeping up to date and maintaining professional competence
- Is resilient and maintains a positive outlook in a challenging and pressurised environment
- Takes a balanced approach to the demands of the role and is flexible with what the role encompasses
- Understands the importance of budget management and raising programme funds, and can assimilate financial information and report back on financial matters

#### ***Competency 4: Leading Others***

**The Lecturer (Contract Type B) must demonstrate a capacity to develop skills and competence to work well with others, providing leadership and direction to students, colleagues and support staff in relation to projects or areas of work that they are leading on. They effectively encourage, support and manage the contributions of others to deliver results for the discipline and to ensure that high standards are met.**

- Works constructively within a collective collegiate structure
- Consistently works with others to ensure high standards in all aspects of the role
- Is able to get the most out of people and to secure their support and cooperation in relation to work they are leading/managing
- Gives clear instructions in relation to the contribution expected from others
- Has the ability to manage and encourage others to deliver what is required
- Actively supports the career development of postgraduate students and newer colleagues
- Organises and delegates work in a way which is consistent and fair and makes best use of resources
- Understands the importance of, and can use a range of strategies to, motivate students and support staff and colleagues
- Takes the initiative to put good ideas into practice

### **ORGANISATIONAL EXCELLENCE**

#### ***Competency 5: Collegiate and Community Contribution***

**The Lecturer (Contract Type B) values and engages in a collegiate approach to working with others, within their own discipline, school and university and also within the wider external community. S/he actively seeks to build effective networks and is willing to contribute their time and expertise to a range of broader university wide or community projects.**

- Actively builds strong internal and external networks and collaborative links
- Participates in cross discipline working groups in addition to taking on roles in external institutions/agencies (with the necessary University approval in place)
- Takes time to build up positive working relationships with others and treats everyone fairly and with respect
- Assumes administrative/organisational roles and tasks to help ensure the smooth running of the School/Discipline
- Acts as chair on committees or acting or as representative at school/college/university level and works to develop the skills needed to perform these roles effectively
- Makes an effort to understand and take account of different people's views and perspectives
- Contributes outside the university to different committees, the local community, and voluntary organisations
- Encourages students to get involved in relevant external groups also, where appropriate

- Supports colleagues internally and with other universities in initiating collaborative enterprises/programmes
- Possess the negotiation skills required to achieve a balance between the university's academic requirements with potentially competing requirements of external bodies

***Competency 6: Strategy and Vision***

**The Lecturer (Contract Type B) should demonstrate a capacity to develop skills and competence to contribute to the strategic development of the discipline by developing a strong awareness of the wider environment, how the discipline is developing and how the School/Discipline can develop in the long term to optimise its contribution. He /She must have the ability to make a strong case for the development of new programmes or engaging in joint programmes or collaborations that they feel will add long term value to the School/Discipline.**

- Has a clear overall vision for what the School/Discipline is trying to achieve and how their work fits in with the overall direction
- Understands how the discipline is developing and brings this to bear on their work
- Uses initiative to benchmark against other organisations and takes other opportunities to increase understanding of best practice across the system
- Knows what research is being done within their area and what type of research will attract funding from which sources
- Identifies opportunities for new modules and programmes by assessing what will be viable and of interest in the long term
- Uses judgement to build and sell a persuasive case for resources/new programmes on behalf of their area/college
- Creates, and takes advantage of, opportunities to market programmes to attract high quality postgraduate students
- Able to negotiate for an area while recognising the realities and the resource restrictions and is willing to change and adapt to meet future needs