



## Lecturer or Senior Lecturer in Mechanical Engineering

<b>Reference:</b>	EHT0530-0624
<b>Salary:</b>	<p>Grade 8 Lecturer. Points 31 – 35.</p> <ul style="list-style-type: none"> <li>• Salary for this grade: £38,205 - £42,978 per annum</li> </ul> <p>Grade 9 Senior Lecturer. Points 36 – 40.</p> <ul style="list-style-type: none"> <li>• Salary for this grade: £44,263 - £49,794 per annum</li> </ul> <p>Grade 10 Senior Lecturer. Points 41 – 45.</p> <ul style="list-style-type: none"> <li>• Salary for this grade: £51,283 - £57,696 per annum</li> </ul>
<b>Contract Type:</b>	Permanent – Anticipated start date September 2024.
<b>Hours</b>	Full Time (37 Hours Per Week)



## About the Faculty

The Engineering subject is co-located within the Department of Computer Science, and it is growing rapidly. It offers an expanding range of programmes, which are increasingly popular with applications growing year-on-year. The Department of Computer Science has a strong reputation for high quality learning and teaching and ranked top in the North West for overall student satisfaction in the 2015-2017 National Student Surveys and ranked top in the North West for student experience in The Times/The Sunday Times Good University Guide 2019.

There is an active research community involving academic staff, post-doctoral researchers, several PhD students, and national and international research projects. There are close links with industry and an enterprise projects team which develops systems for clients together with Knowledge Transfer Partnerships.

Facilities are housed in the £13m state-of-the-art Tech Hub building, which includes specialist Computer Science and Engineering laboratories for teaching and research. Specifically, the building has a Harvard-style lecture theatre and thirteen specialist teaching laboratories, which include an open access laboratory, a Mechanical Engineering laboratory, an electrical and electronic engineering teaching laboratory, and a CAVE (Computer Augmented Virtual Environment). Other specialist equipment includes oscilloscopes, signal generators, Tensile Testing Machine, several robotic arms, Arduinos, Raspberry PIs and e-pucks 2.

To find out more visit [Engineering - Edge Hill University](#)

## About the Role

You will be required to make a significant contribution to the delivery of our engineering undergraduate and postgraduate courses, contributing to the delivery of our modules on our core curriculum depending on your areas of expertise and experience.

You will be expected to contribute to the research profile of the Department through the activities of one of our Research Units, and to meet the qualitative and quantitative requirements for submission to the next Research Excellence Framework.





## About you

You will be an enthusiastic and friendly professional with excellent communication and interpersonal skills coupled with a commitment to providing an excellent student experience. An established or promising research profile in engineering and specifically in more than one of the areas of engineering materials, fluid mechanics, thermodynamics, structural and solid mechanics, manufacture and design, mechatronics and a proven teaching experience on undergraduate/postgraduate relevant programmes is essential.

To be successful you will further enrich our students' experience through your expertise and subject knowledge as evidenced through your qualifications and experience.

## Reward & Benefits

We want you to feel happy when you come to work and proud when you go home.

From the moment you join us you have the opportunity to enhance your skills. We offer various routes for progression, a range of specialist development sessions and academic development opportunities along with an award winning and comprehensive staff health & wellbeing programme (HR Excellence Awards 2017). This means you will receive a full academic induction, be enrolled if appropriate on our PGCTHE, benefit from the Edge Hill University CPD scheme ((UKPSF) and our annual University Learning and Teaching Day all to support your professional development.

## About Us

Edge Hill University is an ambitious institution, based on an attractive, award-winning 160-acre campus in Lancashire, close to Liverpool and Manchester. The University aspires to combine excellent research of reach and significance with a world-class student experience.

Edge Hill University was named Modern University of the Year in the Times and Sunday Times Good University Guide 2022 and shortlisted for the overall UK University of the Year award. With this award the University was called 'one of the shining stars of the modern university sector.' The award has come closely after Edge Hill was awarded University of the Year in the Educate North Awards 2020/21.

Edge Hill University appears in the Times Higher Global Rankings (801-1000) and has previously held the coveted UK University of the Year title, awarded by Times Higher Education in 2014/2015.

Other recent successes include a Global Teaching Excellence Spotlight Award (2018) from Advance HE in association with Times Higher Education, being ranked in the top 10 for







teaching by the Times/Sunday Times Good University Guide 2017, top in the North West for student experience (Times Higher Education 2017), and top in the UK for Student accommodation in the 2017 WhatUni Awards.

Edge Hill University has achieved both Athena Swan Bronze and the European Commission's 'HR Excellence in Research Award' (first awarded 2018 and re-awarded 2021), which acknowledges alignment with the principles of the European Charter for Researchers and Code of Conduct for researcher recruitment. The process incorporates both the QAA Code of Practice for Research Degree Programmes and the Concordat to Support the Career Development of Researchers.

## **Lecturer (Grade 8) Duties and Responsibilities**

The duties and responsibilities of this post are as follows. The post holder will be expected to carry out the following as and when required.

### **Teaching, Learning & Scholarship**

1. Contribute to the curriculum development of the Subject/Department academic programmes and wider Faculty where appropriate, producing high quality, innovative teaching and learning material, informed by research and professional practice (where appropriate) to support and develop student learning, engagement, and application in practice (where appropriate) at undergraduate and post graduate level.
2. Enhance the quality of education and provision by ensuring that you maintain high standards of learning and teaching.
3. Use teaching and learning strategies, which encourage student involvement and advance their independent learning, adapting delivery to suit learners' needs.
4. Engage in subject professional and pedagogy research and/or scholarship as required to support teaching activities.
5. Contribute effectively to the design, planning and administration of the curriculum including preparation of your own teaching and learning materials and course documentation.
6. Contribute effectively to curriculum delivery, at the modular level, taking lead responsibility, where appropriate, within undergraduate and/or postgraduate levels.





## Student Support

1. Effectively oversee the welfare, progress, examination, assessment and marking of the students as designated by the Head of Department (or their deputy).
2. Provide effective support to individual students and groups of students in accordance with Edge Hill University's procedures, referring students to further support services as appropriate.
3. Promote the work of the University and participate in the recruitment, selection and induction of students.
4. Undertake, as and when required, and in accordance with Edge Hill procedures, personal tutor responsibilities (academic and pastoral);
5. Support learning in practice, including placement/mentor preparation and practice audits (where appropriate).

## Research

1. Publish, or show evidence of working towards publication of research consistent with the department's priorities in appropriate peer-reviewed journals.
2. Begin to develop and maintain links with cognate disciplines within the Faculty, University, Industry, and the Community as part of a coherent research-dissemination strategy.
3. Collaborate with colleagues to identify and make credible bids for external funding through research grants and contracts and in developing collaborative research income- generating ideas.

## Leadership, Service & Externality

1. Be an active member of relevant Departmental/Faculty/Institutional committees and contribute to partnership working with external colleagues and service users (where appropriate);
2. Contribute to faculty business, project management and/or enterprise.
3. Assist in student recruitment activities including Open Days, interviews, or





auditions.

4. Engage in appropriate training programmes provided by the University such as preparation for VASP membership.
5. Establish networks (professional and academic) to maintain currency and personal development.
6. Carry out any other duties as reasonably requested by Head of Department. Generally, these will be relatively limited in order to allow the role holder to take advantage of planned developmental and research opportunities.





## Lecturer (Grade 8) Person Specification

Please note that applications will be assessed against the Person Specification using the following criteria, therefore, applicants should provide evidence of their ability to meet all criteria.

*Methods of Assessment include Application Form (A), Supporting Statement (S), Interview (I), Test (T) & Presentation (P).*

		Essential	Desirable	Method of assessment (A/S/I/T/P)
<b>Qualifications</b>				
1.	A good relevant honours degree or equivalent qualification and experience of Higher Education learning	*		A
2.	PhD or equivalent (normally by publication but where appropriate through professional achievement of a comparable nature)	*		A
3.	HE teaching qualification, or commitment to achieve one within two years of appointment	*		A/I
<b>Knowledge &amp; Skills</b>				
4.	Relevant knowledge of Higher Education curricula or other evidence of the ability to be or become an effective, research-informed teacher and assessor across the range of taught levels appropriate to the post	*		S/I
5.	Excellent, effective and adaptive teaching skills underpinned by sound pedagogical principles	*		S/I
6.	Developing breadth and depth of subject knowledge and evidence of continuing professional development	*		S/I
7.	Evidence of ability to work in a team and the emotional intelligence to support students in their studies through academic tutoring	*		I



		Essential	Desirable	Method of assessment (A/S/I/T/P)
<b>Experience</b>				
8.	Ability to support the diverse academic and personal needs of individual students	*		S/I
9.	Proven capacity to conduct and publish research or contributions to professional practice, ability to engage in academic and professional networking through active membership of associations, societies and professional bodies, and contribute to external income generation & funding.	*		S/I
10.	Excellent communication skills, both written and verbal, and excellent interpersonal skills with the ability to liaise effectively with colleagues, students and external stakeholders.	*		S/I/P
11.	Ability to work on one's own initiative, to reflect on one's own skills and knowledge, and to seek opportunities to develop	*		S/I
<b>Competencies &amp; Personal Attributes</b>				
13.	Enthusiasm	*		I
14.	Commitment	*		I
15.	Team Working	*		I
16.	Good interpersonal skills	*		I
17.	Flexibility and adaptability	*		I





## Senior Lecturer (Grade 9) Duties and Responsibilities

The responsibilities of a Senior Lecturer are wide ranging and many change over time according to the development needs of the department and the individual. As a Senior Lecturer you will be expected to carry out the following, as and when required.

### Teaching, Learning & Scholarship

1. Effectively lead taught modules and contribute appropriately to programmes, taking a lead role in curriculum delivery and organization, including teaching.
2. Contribute effectively to the design and planning of the curriculum, including the writing of course validation documentation as required, ensuring compliance with the University's Academic Regulations and Quality Management Handbook.
3. Seek to enhance the quality of education that students receive by ensuring that high standards are maintained in their own teaching, through regularly engaging with appropriate professional development activities.
4. Develop and use teaching and learning strategies across aspects of a course, which encourages students' involvement and advances their independent learning, adapting delivery to suit student's needs.
5. Collaborate with colleagues in the continuous review and development of Department's programmes.
6. Supervise and monitor undergraduate and postgraduate taught students and supervise and monitor the work of research students.
7. Actively support and carry out research and scholarship which supports and informs programme currency delivery.
8. Reflect on your own teaching and implement ideas for improving your own performance.
9. Contribute effectively towards the development of the Department within an established programme of study.





## Student Support

1. Effectively oversee the welfare, progress, examination, assessment and marking of the students as designated by the Head of Department (or their deputy)
2. Take responsibility for specific aspects of the assessment process e.g. moderation or liaison with external examiner.
3. Act, as and when required, and in accordance with Edge Hill procedures, as a Personal Tutor for a number of students.
4. Take an advisory role in complex cases of support for a student.

## Research

1. Publish and disseminate the results of research in peer-reviewed journals or other appropriate outlets or recognised academic quality in line with area of expertise.
2. Contribute effectively to, and lead as appropriate, research and/or enterprise projects including identifying and making credible bids for funding to support the projects;
3. Enhance and maintain links with cognate disciplines within the Faculty, Institution, Industry, and the Community.
4. Apply for grant funding and manage, as appropriate, any grants which are secured.
5. Supervise and manage research projects if required.

## Leadership, Service & Externality

1. Seek to enhance the quality of education and provision by ensuring that high standards of teaching and learning are maintained on the relevant courses to which they contribute.
2. Coordinate others to ensure module(s) are delivered to the standards required and to identify & respond to student's needs.
3. Lead on quality assurance and course evaluation, including facilitating student feedback.





4. Contribute effectively towards the development of the Department including taking lead responsibility for nominated projects and participating in VASP committees.
5. Responsible for the overall quality auditing of course provision to identify areas where current provision needs revision or improvement.
6. Develop others with ability to mentor colleagues in developing both their research agendas as well as teaching portfolios.
7. Be a fully active member of relevant Departmental/Faculty/Institutional business/committees and contribute to partnership working, projects and enterprise activity with external colleagues and service users (where appropriate).
8. Promote the work of the institution and participate in the recruitment, selection, and induction of students.
9. Participate in and develop additional external networks/operational links to further the development and reputation of the department and of the University.
10. Effectively manage relationships with key stakeholders.
11. Take part in relevant internal boards, committees and working groups as required.
12. Organise and administer tasks in an efficient and effective manner.
13. Carry out any other duties as requested by the Head of Department/Line Manager, commensurate with the grade of the post.





## Senior Lecturer (Grade 9) Person Specification

Please note that applications will be assessed against the Person Specification using the following criteria, therefore, applicants should provide evidence of their ability to meet all criteria.

*Methods of Assessment include Application Form (A), Supporting Statement (S), Interview (I) & Presentation (P).*

		Essential	Desirable	Method of Assessment (A,S,I,P)
<b>Qualifications</b>				
1.	A good relevant honours degree or equivalent qualification and experience of Higher Education learning	*		A
2.	PhD or equivalent (normally by publication but where appropriate through professional achievement of a comparable nature)	*		A
3.	HE teaching qualification, or commitment to achieve one within two years of appointment	*		A/I
4.	Advance HE Fellowship, or commitment towards	*		A/I
<b>Knowledge &amp; Skills</b>				
5.	A well-developed breadth of subject knowledge and a record of successful engagement with professional development opportunities	*		S/I
6.	Successful record of having developed and used to good effect, flexible and innovative approaches to the design and execution of teaching, learning and assessment	*		S/I



		Essential	Desirable	Method of Assessment (A,S,I,P)
<b>Experience</b>				
7.	Significant experience of innovative undergraduate and postgraduate teaching in higher education	*		S/I
8.	Experience of securing and undertaking externally funded research, knowledge exchange, and/or enterprise activity, where appropriate		*	S/I
9.	Proven ability to support the diverse academic and personal needs of individual students	*		S/I
10.	Evidence of research publication activity in peer reviewed research journals	*		S/I
11.	Evidence of having developed successfully networks with colleagues, students and external stakeholders	*		S/I/P
12.	A record of having developed the student employability agenda in the department/institution through networking, employer engagement and student learning		*	S/I
<b>Competencies and Personal Attributes</b>				
13.	Enthusiasm	*		I
14.	Commitment	*		I
15.	Team working	*		I
16.	Good interpersonal skills	*		I
17.	Flexibility and adaptability	*		I





## Senior Lecturer (Grade 10) Duties and Responsibilities

The responsibilities of a Senior Lecturer are wide ranging and many change over time according to the development needs of the department and the individual. In general, a Senior Lecturer can expect to undertake the following:

### Teaching, Learning & Scholarship

1. Develop, as required, appropriate documentation in accordance with Institutions Academic Regulations and Quality Management Handbook to support the processes of Edge Hill's quality assurance and ethics (including materials relating to course validation, enhancement process, review and evaluation).
2. Contribute effectively to the design and planning of curriculum for the Department, taking the lead responsibility for nominated projects.
3. Effectively oversee the welfare, progress, examination, assessment and marking of the students as designated by your Head of Department.
4. Fully engaged with teaching portfolios, and effectively use teaching and learning strategies, which encourages student involvement and advances their independent learning, adapting delivery to suit student's needs.

### Student Support

1. Take responsibility for overseeing the welfare, progression, examination, and assessment of students and drawing to the attention of the Head of Department any issues as appropriate.
2. Act as a Personal Tutor for a number of students, including providing academic and personal support, supporting individual profiling and development planning, and preparing references; referring students to further support services as required.
3. Act as a postgraduate taught supervisor.
4. Promote the work of the University and participate in the recruitment, selection, and induction of students.



## Research

1. Contribute effectively to the subject area in a chosen area of research, publishing research output of high quality, submitting regular bids for external funding, supervising PhD students and leading networks as appropriate.
2. Lead and develop strategies for achieving impact from your research or enterprise projects including identification and achievement of funding to support the projects.

## Leadership, Service & Externality

1. Lead departmental activities at an appropriate capacity within the department.
2. Lead and administer the effective delivery of courses and projects.
3. May undertake a programme, project, enterprise or research leadership role (as appropriate).
4. Ensure the integrity of designated programmes and projects, by ensuring all staff contributing are fully informed and prepared for effectively engaging in delivery and reporting responsibly, via appropriate channels, any cause for concern.
5. Coordinate and lead the team of staff who contribute to courses and research programmes or other programmes of work in order to maximise the impact of their individual and collective contributions.
6. Enhance the quality of education and provision by ensuring that high standards of teaching and learning are maintained on the relevant courses to which they contribute.

## Externality

1. Take responsibility for the effective academic administration of a designated programme of study, enterprise, research, or innovation.
2. Lead, initiate and develop external networks to further the development and reputation of the University and the individual.
3. Engage in external collaborations and relationships at a strategic level and effectively manages significant partnerships with external organisations.
4. Significantly enhance the external profile of the department in appropriate networks and forums, identifying and building supportive and mutually beneficial partnerships. Fostering collaboration with external contacts, networks and partnerships including educational bodies, employers, researchers, and professional bodies, as appropriate.





5. Actively contribute to mentor training, development and enhancement activities including the evaluation of these arrangements.
6. Organise and administer tasks in an efficient and effective manner.
7. Undertake other duties deemed appropriate by the Head of Department (or representative) and commensurate with the post.





## Senior Lecturer (Grade 10) Person Specification

Please note that applications will be assessed against the Person Specification using the following criteria, therefore, applicants should provide evidence of their ability to meet all criteria.

*Methods of Assessment include Application Form (A), Supporting Statement (S), Interview (I) & Presentation (P).*

		Essential	Desirable	Method of Assessment (A,S,I,P)
<b>Qualifications</b>				
1.	A good relevant honours degree or equivalent qualification and experience of Higher Education learning	*		A
2.	PhD or equivalent (normally by publication but where appropriate through professional achievement of a comparable nature)	*		A
3.	HE teaching qualification, or commitment to achieve one within two years of appointment	*		A/I
4.	Advance HE Fellowship, or commitment towards		*	A/I
<b>Knowledge &amp; Skills</b>				
5.	Successful record of having developed, used and disseminated good practice of flexible and innovative approaches to the design and execution of teaching, learning and assessment initiatives	*		S/I
6.	Demonstrate ability to influence, advise, guide and mentor others and confidently challenge thinking and foster debate, and encourage the development of intellectual reasoning and rigour	*		S/I
7.	Ability to reflect on own skills and knowledge, and to seek opportunities to develop	*		S/I



		Essential	Desirable	Method of Assessment (A,S,I,P)
<b>Experience</b>				
8.	Very significant experience of innovative undergraduate and postgraduate teaching in higher education, especially in the relevant subject area	*		S/I
9.	Evidence of leading teams, internally and externally, with the sound emotional intelligence required to work effectively with other people	*		S/I
10.	Proven ability to support the diverse academic and personal needs of individual students	*		S/I
11.	Experience of securing and undertaking substantial externally-funded research and/or enterprise activities, where appropriate	*		S/I
12.	Proven ability to support the diverse academic and personal needs of individual students, and to disseminate good practice in this respect	*		S/I
13.	Evidence of research publication activity in peer reviewed journals	*		S/I
14.	Evidence of having developed successfully and lead to good effect networks with colleagues, students and external stakeholders, e.g., to promote student employability	*		S/I/P
<b>Competencies and Personal Attributes</b>				
15.	Enthusiasm	*		I
16.	Commitment	*		I
17.	Team working	*		I
18.	Good interpersonal skills	*		I
19.	Flexibility and adaptability	*		I





**In addition to the above all Edge Hill University staff are required to:**

- a) Adhere to all Edge Hill's policies and procedures, including Equality and Diversity and Health and Safety
- b) Respect confidentiality: all confidential information should be kept in confidence and not released to unauthorised persons
- c) Undertake appropriate learning and development activities as required
- d) Participate in Edge Hill's Performance Review and Development Scheme
- e) Adhere to Edge Hill University's environmental policy and guidelines and undertake tasks in a sustainable manner
- f) Demonstrate excellent Customer Care in dealing with all customers
- g) Proactively consider accessibility and ensure appropriate quality assurance of templates, documents and published outputs using software such as Microsoft Accessibility checker and Blackboard Ally





## How to Apply

When you are ready to start the formal application process, please visit our and click 'vacancies', search for the role you wish to apply for, and click 'Apply Online'. The online application form can be completed in stages and can be revisited at any time. The form automatically saves as you enter your information, and it is simple to move backwards and forwards throughout at any time prior to submission. Help is available at each stage to guide you through the form. Before final submission, you can preview your application and can then choose to refine or submit the form.

Please refer to the advert for the closing date for this vacancy, all applications must be submitted by 11.59pm on this date. Following the closing date, we will contact you by email to let you know whether or not you have been shortlisted to participate in the next stage of the selection process. We try our best to inform all applicants within two working weeks following the closing date.

### *Application > Shortlisting > Interview > Outcome*

For informal enquiries about this vacancy, you may wish to contact: Professor Amr Ahmed, Head of Department, at [Amr.Ahmed@edgehill.ac.uk](mailto:Amr.Ahmed@edgehill.ac.uk)

*At Edge Hill University we value the benefits a rich and diverse workforce brings to our community and therefore welcome applications from all sections of society.*

