



Loughborough  
University

Job Ref: REQ17296

Appointment of  
**Professor in Wind  
and Ocean Energy**

[www.lboro.ac.uk/excellence100](http://www.lboro.ac.uk/excellence100)



# ABOUT LOUGHBOROUGH UNIVERSITY

Loughborough University is a fantastic place to work and study. There is a real pride in the University that touches everyone associated with it.

Throughout our history we have built upon our distinctive characteristics and enhanced our strengths. Our origins in 1909, as one of the UK's foremost technical institutes focused on meeting society's needs, set in train an ethos that is still evident at Loughborough today.

Our campus in the heart of Leicestershire – one of the largest in the UK, spanning 440 acres – provides a supportive and enriching environment with first-rate facilities for both staff and students.

Loughborough University London, our postgraduate campus on Queen Elizabeth Olympic Park, the former site of the 2012 London Olympics, offers education, research and enterprise opportunities in London's newest innovation quarter.

In the 21st Century we are one of Britain's leading universities. Our combination of world class research, enterprising outlook, unparalleled sporting achievement and excellent student experience gives rise to something that is truly special, and distinctive among the UK's universities.



# OUR ACHIEVEMENTS

**RANKED 1st in the STUDENT EXPERIENCE SURVEY 2016**

Times Higher Education

**TOP for FACILITIES**

Times Higher Education Student Experience Survey 2016

**UNIVERSITY OF THE YEAR**

WhatUni Student Choice Awards 2015

**BEST STUDENTS' UNION**

WhatUni Student Choice Awards 2016

**RANKED 6TH IN THE UK**

in the Times Higher Education (THE) 'Table of Tables' 2017

**RATED FIVE STARS for excellence**

QS Stars

**UNIVERSITY OF THE YEAR for Sport**

Times Good University Guide 2017

**A TOP 10 UNIVERSITY IN ENGLAND FOR RESEARCH INTENSITY**

according to the Research Excellence Framework

**BRITAIN'S TOP UNIVERSITY for Quality of Student Life**, Lloyds Bank Survey

**1st in the UK and globally for overall satisfaction with the University**

Student Barometer Autumn Wave 2016 – out of 45 participating universities globally, based on overall score across all measures

**AWARDED 7 QUEEN'S ANNIVERSARY PRIZES**, Second only to Oxford



# OUR STRATEGY – *BUILDING EXCELLENCE*

Our strategy has four core drivers – Investing in our staff, Educating for success, Growing capacity and influence, and Raising standards and aspirations – with research, teaching, enterprise and sport embedded in each.

## **Investing in our staff**

We will be an outstanding employer, supporting our staff to achieve their full potential through development opportunities. We will recognise excellence and achievement through performance and reward mechanisms and ensuring that all staff are empowered to operate at their highest levels.

We will maintain a staffing profile that allows us to enhance our centres of research excellence and enrich the academic student experience we offer. By attracting the highest quality staff and maintaining the best possible student staff ratios, we will provide our students with a dynamic learning environment.

## **Educating for success**

We will develop our students as individuals, enhancing their capabilities as creative, confident and adaptable 21st Century citizens who will make a significant contribution to global society.

Loughborough University London will facilitate the expansion of our postgraduate population. Under the current fee regime, we will maintain our undergraduate numbers but review our approach should Government policy change.

## **Growing capacity and influence**

We will grow capacity in key areas of teaching, research and enterprise by investing strategically and developing international partnerships and collaborations. We will advance areas in which we have a critical research mass and withdraw from those where this is unachievable.

We will reinforce the breadth of our academic offering across both our campuses, with continued emphasis on subjects with international recognition. We will listen to our students, employers

and other key partners to ensure that our academic provision develops in line with their requirements. By capitalising on emerging opportunities to review the scope of our academic provision, we will introduce new areas and withdraw from those that are no longer appropriate.

We will raise our profile and strengthen our connections with policy makers, business, industry and the community, achieving recognition as a leading international university, whose contributions are sought and valued.

## **Raising standards and aspirations**

We will enhance our effectiveness and minimise the barriers to achieving our aspirations. We will build on our strengths and focus on developing the activities we do well to help us achieve our goals and raise our international profile.

Through our rigorous planning processes we will ensure we identify where we should invest. Our focus will be on internationally excellent research and a high quality student experience.



# OUR AMBITIONS – BY 2020 WE WILL HAVE ACHIEVED THE FOLLOWING:

## **A distinctive international reputation for excellence**

The relevance of our research to real-life issues will place us at the forefront internationally, increasing significantly the global visibility and reputation of the University. Our contribution, at the very highest levels, to new knowledge and understanding, will boost our links with some of the best universities in the world and expand our breadth of well-established partnerships with leading international companies.

## **A life-shaping student experience**

We will provide our students with an exceptional learning environment that offers outstanding, innovative teaching, opportunities to contribute to pioneering research, and options to maximise their business potential, coupled with wide-ranging personal support. We will engage with our students to ensure we deliver the best possible academic experience. There will be high demand for our programmes and we will continue to deliver outstanding levels of student satisfaction.

Working in partnership with Loughborough Students' Union, we will offer the best possible all-round experience, providing

our students with a wide range of opportunities that enable them to achieve their full potential, professionally and personally as well as academically.

## **Outstanding partnerships to deliver social, economic and cultural prosperity**

We will realise the commercial potential of our research and forge productive, collaborative links with partners across all sectors. This will ensure that we meet their requirements and that the impact of our activities helps to support economic development and drive innovation and performance on local, national and international levels.

We will work closely with local partners to enhance the social, cultural and economic wellbeing of the communities and regions in which we reside and will embed sustainability and social responsibility into all of our processes, operations and developments.

## **A culture of delivering excellence in all that we do**

Through the integration of influential research, a vibrant enterprising culture and outstanding learning opportunities, we will enhance our ability to drive

forward solutions to contemporary global challenges.

Our staff will be supported to attain the highest standards, and our international profile will attract the very best in their fields.

We will also have cemented our position as the UK's premier university for sport and be recognised globally for our unique ability to shape sport and exercise policy and practice both nationally and internationally.

## **One outstanding university: two vibrant campuses**

Our distinctive ability to integrate research, teaching and enterprise will have strengthened the activities in which we excel and created new capacity in areas of excellence.

Our international ambitions will be further enhanced through a thriving postgraduate campus on the Queen Elizabeth Olympic Park in London, complementing our outstanding green-field campus in Loughborough and creating two inspiring campus communities.



# LEARNING AND TEACHING

Loughborough University provides students with an exceptional learning environment, enhanced by quality teaching and a supportive atmosphere. We pride ourselves on developing highly employable graduates. Our links with leading employers are unrivalled, and our students develop the valuable skills that recruiters seek.

Teaching at Loughborough has consistently been rated excellent in independent assessments, placing the University towards the top of the teaching quality tables, and the Quality Assurance Agency gave Loughborough the highest possible commendation in its most recent audit.

## Student satisfaction

Loughborough is consistently well placed in the National Student Survey. In the most recent survey (published in 2016) 89% of Loughborough's final year students said they were satisfied with their course.

In the Autumn Wave 2016 international and UK Student Barometer, which allows students to give universities feedback on the services they provide, Loughborough was ranked first in the UK and globally\*, out of 45 participating universities, with 95% of Loughborough students saying they were satisfied with the University overall.

In order to sustain exceptional quality, the University has developed strong academic, guidance and welfare systems to support students throughout their education. The

Careers Network at Loughborough offers a wealth of services, and was voted 1st for satisfaction with the Careers Network (Student Barometer Autumn Wave 2016 out of the 44 participating universities globally).

The Centre for Academic Practice also supports the professional development needs of academic staff and promotes effective practice in learning, teaching and assessment.

## Graduate employability

Established links with industry, business, the public sector and the professions allow many students at Loughborough to benefit from profitable work placements, both in the UK and abroad. All of our undergraduate courses have a year-long, paid work placement option.

Loughborough graduates leave university equipped with the knowledge and employability skills that are in great demand. For this reason, Loughborough is the 15th most targeted university by top employers (Graduate Market 2016 review by High Fliers).

In 2015, the latest year for which figures are available, 95% of Loughborough graduates were in employment or further study within six months of graduating, and 85% were in the professional/managerial roles or graduate level further study within 6 months of graduation (full-time UK first degree students available for work or study), compared to 72% nationally.



\* based on overall scores across all measures

# RESEARCH AND ENTERPRISE

Loughborough is renowned for the relevance of its work, driven by society's need for solutions to real-life issues. It contributes at the very highest levels to new knowledge and understanding, helping business and industry to compete more effectively, shaping public policy and, ultimately, helping to improve the quality of people's lives.

The strengths in our academic Schools are complemented by our four interdisciplinary Research Challenges, which help to accelerate the delivery of distinctive solutions to regional, national and international issues.

In the 2014 Research Excellence Framework (REF), Loughborough consolidated its position in the premier league of research universities. It is ranked 14th in the UK and 9th among universities in England for research intensity. At subject level, Loughborough has the largest concentration of world-leading research in sport and exercise sciences, and six other subject areas feature in their national subject top ten.

With staff right across the University involved in pioneering research, Loughborough's students benefit from a vibrant research culture in which they are taught by academics at the forefront of their disciplines.

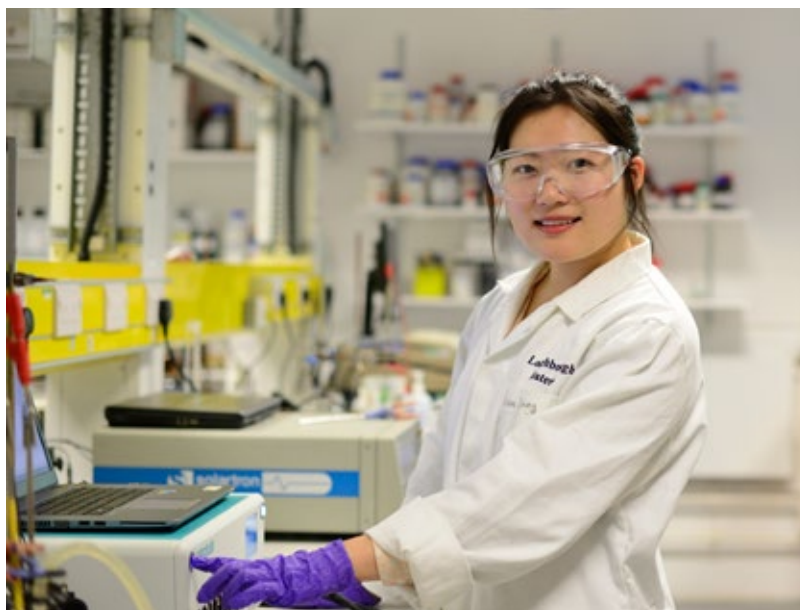
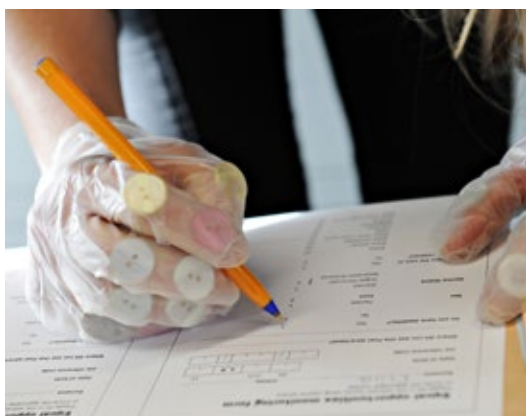
## Fostering enterprise

We have excellent relationships with business and public and voluntary

organisations and understand their needs. Our partnerships deliver leading-edge research and development, helping UK and international businesses and organisations to innovate, expand or boost performance.

Our partners also provide student placements and graduate positions and world-leading companies sponsor a range of bursaries and prizes. Student enterprise is at the heart of our curriculum, and The Studio – our graduate incubator – helps former Loughborough students to develop sustainable, and thriving, businesses.

Loughborough University Science and Enterprise Park, based on the Loughborough campus, enables high-tech companies, from dynamic start-ups to established global organisations, to be part of the University's dynamic innovation community.



# STUDENT EXPERIENCE

Loughborough provides students with every opportunity to achieve their full potential – professionally, intellectually and socially.

We offer a unique experience, combining a first class education with an extensive programme of extracurricular activities, a fantastic campus environment and the best students' union in the country. Loughborough Students' Union (LSU) was named top in the country in the 2016 WhatUni Student Choice Awards, which are voted for exclusively by students.

Loughborough was ranked 1st in the 2016 Times Higher Education Student Experience Survey and topped the 2015 Lloyds Bank Student Life Survey.

## Loughborough Students' Union

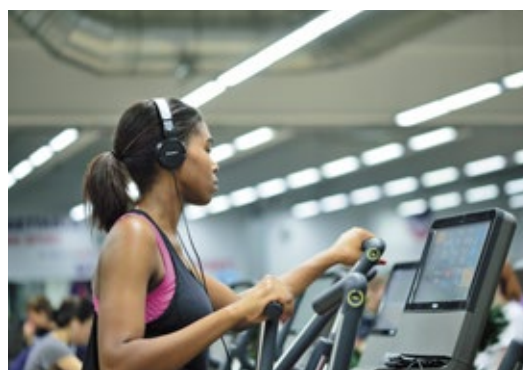
LSU plays a key part in creating the 'Loughborough Student Experience'. It is one of the only unions in the UK to be owned and managed by the students, offering a variety of support services, a packed programme of social events, and more than 100 clubs and societies, which were named best in the country in the 2016 WhatUni Student Choice Awards.

The fundraising arm, Loughborough Rag, is the most successful student fundraising organisation in the country. In 2015/16 it raised £1,114,848 for local and national charities. LSU Action students volunteered more than 25,600 hours for good causes last year.

## Loughborough living

Our halls of residence – which lie on

or close to the campus and provide accommodation for more than 5,000 students – are at the very centre of student life. Our off-campus students are supported by a Community Warden scheme. Our students' affiliation with their hall also remains with them throughout their years at the University, producing an enduring community spirit at Loughborough that is unrivalled.





# SPORT

Loughborough is the country's premier university for sport, with an outstanding record of achievement in performance at every level and in sport's underpinning academic disciplines of exercise and health sciences.

Our students and alumni are renowned for their unrivalled sporting success. Loughborough has won the BUCS (British Universities and Colleges Sport) Championship for the last 36 consecutive years, finishing more than 1,700 points ahead of the second placed university in the 2015/16 competition. Loughborough was named 'University of the Year for Sport' by The Times Good University Guide 2017.

Around 200 elite level athletes are currently studying or training at the University. The Loughborough Sports Scholarship programme enables the finest young athletes to excel in both their academic and sporting achievements.

Some of the most celebrated names in sport – including world record breaking athletes Sebastian Coe and Paula Radcliffe, one of the greatest-ever Paralympians, Tanni Grey-Thompson, and World Cup winning England rugby coach Clive Woodward – have studied at Loughborough.

## Sporting excellence and opportunity

In 2016 over 80 students, graduates and Loughborough-based athletes traveled to Rio to participate in the Olympic and Paralympic Games. Loughborough athletes were a dominant force throughout, securing 12 medals in the Olympic competition, including 5 golds; and a further 22 medals during the Paralympic competition. Loughborough coaches also played a key role in the Games, with alumni guiding Team GB, Canada and Fiji to gold medals. Loughborough was also the official Preparation Camp for Team GB in the run-up to the London 2012 Olympic Games. More than 500 Team GB athletes, alongside support staff, coaches and officials visited the camp to be officially 'kitted out'.

The campus has the country's largest concentration of world-class training facilities and support services across a wide range of sports, including an indoor athletics centre, outdoor stadium and a 50m swimming pool. Bases for a number of sports are located on campus, including national performance centres for athletics and cricket. Loughborough was named top in the country for Best Sports Facilities in the 2016 Times Higher Education Student Experience Survey.

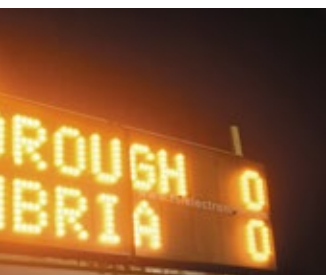
Recreational sport is equally important and there is a popular programme of opportunities for sports enthusiasts of all levels and abilities. The University also has the country's largest intramural hall sport programme for those students who enjoy being part of a team with an element of competition.

## Underpinned by academic excellence

The University's sporting excellence is crucially underpinned by internationally renowned teaching and research in sports science, engineering and technology.

The School of Sport, Exercise and Health Sciences is world renowned. Its work to understand the interplay between exercise and disease was recognised as part of the 2012 Olympic legacy, with a multimillion pound Government award to build the National Centre for Sport and Exercise Medicine on campus.

The Sports Technology Institute works with global brands, including adidas, Nike and Speedo, on the design, simulation, testing and manufacture of sporting goods. Its track record of design-led innovation and accelerating novel concepts from initial stages through to commercialisation is unparalleled.

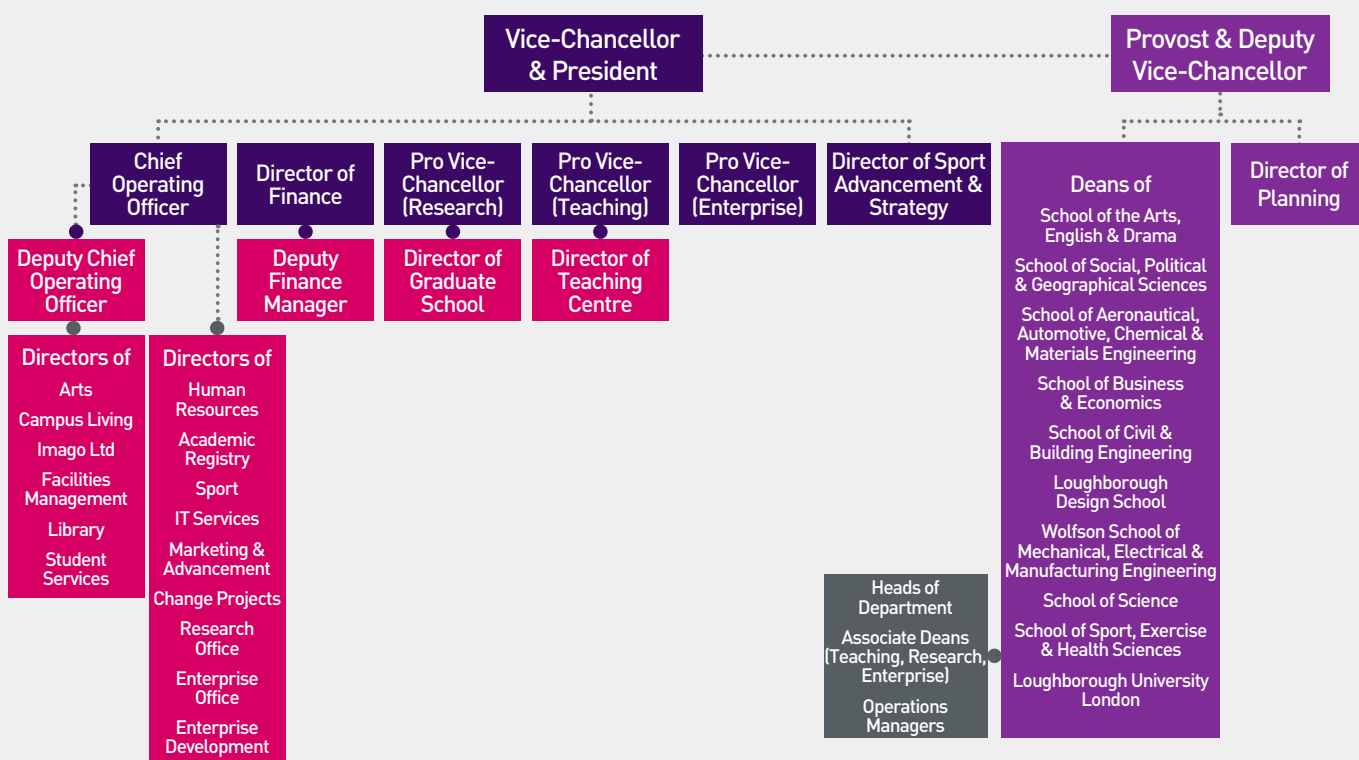


# OUR STRUCTURE

Loughborough University has 20 academic Schools and departments and more than 100 research groups, institutes and centres. There are also four interdisciplinary Research Challenges, which accelerate the delivery of distinctive solutions to regional, national and international issues.

The Chancellor is the formal principal officer of the University. The day-to-day running of the University is the responsibility of the Vice-Chancellor and President, who is the academic and executive head. Professor Robert Allison was appointed as the University's eighth Vice-Chancellor in September 2012.

The Vice-Chancellor works closely with the Academic Leadership Team which includes the Provost and Deputy Vice-Chancellor, three Pro Vice-Chancellors, the Chief Operating Officer, the Director of Finance and ten School Deans. He also works closely with other senior officers.





### The University Senate

The University Senate is responsible for the academic work of the University, including programmes, examinations, teaching and research quality. Its membership is drawn from the University.

### The University Council

The University Council is the governing body, responsible for the University's finances, buildings and land. It is the official employer of all staff and meets several times a year. Its Chairman is the Senior Pro Chancellor, Sir Peter Bonfield CBE.

#### Senate Committees

- Arts
- Learning & Teaching
- Prizes
- Research
- Student Discipline

**SENATE**

**COUNCIL**

#### Council Committees

- Audit
- Nominations
- Remuneration

#### Joint Senate/Council Committees

- |                           |                             |                                |                                    |                        |                                                    |                                 |                   |                               |                                                   |                                     |
|---------------------------|-----------------------------|--------------------------------|------------------------------------|------------------------|----------------------------------------------------|---------------------------------|-------------------|-------------------------------|---------------------------------------------------|-------------------------------------|
| Advancement<br>(Chair VC) | Enterprise<br>(Chair PVC-E) | Ethics*<br>(Chair Lay Council) | Estates Management*<br>(Chair COO) | Finance*<br>(Chair VC) | Health, Safety & Environmental*<br>(Chair Provost) | Human Resources*<br>(Chair COO) | IT<br>(Chair COO) | Operations<br>(Chair Provost) | Research Performance Monitoring*<br>(Chair PVC-R) | Student Experience<br>(Chair PVC-T) |
|---------------------------|-----------------------------|--------------------------------|------------------------------------|------------------------|----------------------------------------------------|---------------------------------|-------------------|-------------------------------|---------------------------------------------------|-------------------------------------|

\*includes lay members of Council sub-committees not included

# THE ROLE

## Job purpose:

To work with other senior academic staff in Wind and Ocean Energy to ensure that the ambitions set out in the University's Strategy, Building Excellence are achieved.

To lead the development and implementation of research, teaching and enterprise strategy to maintain vitality in the activities of the Wolfson School of Mechanical, Electrical and Manufacturing Engineering generally and in the area of Wind and Ocean Energy specifically.

To engage personally with those activities, adding to the School's international reputation in Wind and Ocean Energy.

## Academic Leadership:

- To provide academic leadership for the activities of the School specifically in the area of Wind and Ocean Energy as well as more generally across the School and the University.
- To pursue excellence in research, teaching and enterprise and to inspire others to do the same.
- To play a lead role in the development and communication of the strategic vision for Wind and Ocean Energy.
- To lead and participate in internal and external networks to foster collaboration and to promote Wind and Ocean Energy, the School and the University, nationally and internationally.
- To monitor the external environment and ensure that the School and University capitalise on emerging opportunities and to review the scope of current academic provision.
- 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 be responsible for the design and content of specific areas of teaching and learning within the School's undergraduate and postgraduate programmes.
- To lead colleagues in the continuous review and development of the School's taught programmes and the curriculum.

## Research:

- To pursue an 'internationally competitive' personal research programme consistent with the research priorities of the Wolfson School of Mechanical, Electrical and Manufacturing Engineering that increases the global visibility and reputation of the University.
- To secure external research funding.
- To supervise and manage research projects.
- To publish the outcomes of research in outlets of international standing.
- To attend and contribute to the organisation of major international conferences.
- To supervise postgraduate students at Masters and Doctoral levels.
- To initiate, lead and collaborate in research initiatives with colleagues both within the University and externally.
- To initiate, lead and collaborate in research initiatives with other HEIs and other relevant bodies.

## Teaching

- To lead colleagues in the School in delivering an exceptional learning environment for students.
- To teach and inspire undergraduate and postgraduate students, and to conduct associated assessments.
- To provide academic and pastoral support to undergraduate

and postgraduate students.

## Enterprise

- To initiate and lead engagement 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 impacts 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 appraise and advise staff on personal and career development plans.
- To work effectively with relevant administrative, technical and academic staff in the School and across the University.
- To carry out specific administrative roles and functions as may be reasonably required.
- To take part in and, on occasion, act as chair of one or more of the School's committees.
- 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.

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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.

### **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:**

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 Dean of School

### **Person Specification**

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

# PERSON SPECIFICATION

## ESSENTIAL

## DESIRABLE

### EXPERIENCE

Significant leadership experience gained within university or business settings which may include: (1,3)

- project management
- leading collaborations
- managing professional staff (academic or otherwise) within a team
- managing budgets

Evidence of research and/or academic activity in a subject/discipline consistent with the needs of the School. (1)

A sustained and continuing record of excellence which has contributed to the furtherance of knowledge in Wind and Ocean Energy, and is recognised by an international reputation in that area. (1,3)

Experience of leading and participating in projects in an internationally recognised academic research or business/industry environment, including sustained experience at a senior level. (1)

Evidence of authoring a substantial body of original work, in the highest quality refereed academic journals as judged against international norms, and/or as influential company reports. (1)

Extended experience of successfully supervising the projects of taught and research students or company staff at equivalent levels. (1,3)

Experience of presenting research work at international scientific conferences. (1)

Experience of teaching and assessment at undergraduate and postgraduate level and of curriculum development. (1,3)

Experience of work in or in collaboration with business or industry. (1)

Candidates from outside of academia must be able to demonstrate the ability to make the transition to becoming a top academic. (1,2,3)

Experience at research group head or equivalent level including: (1,3)

- strategic planning and delivery
- promoting your organisation

Experience in commercial exploitation of products / services or formation of social enterprises. (1,3)

	ESSENTIAL	DESIRABLE
<b>GENERAL SKILLS, ABILITIES AND KNOWLEDGE</b>	<p>Demonstrated ability to develop a major original research programme on your own initiative and to persuade others of its importance orally and on paper. (2,3)</p> <p>Demonstrated ability to secure substantial research funding and/or enterprise funds from external/company sources on a regular basis. (1,3)</p> <p>Demonstrated ability to create social/cultural/ economic impacts from professional activity. (2,3)</p> <p>Ability to stimulate and inspire others as reflected in academic leadership and influence beyond own discipline/institution. (2,3)</p> <p>Excellent communication and interpersonal skills which give you the ability to engage with students, colleagues, business and other agencies on a wide variety of matters. (1,2,3)</p> <p>Experience of leading a team. (2,3)</p> <p>Excellent IT skills. (1)</p>	<p>A sound understanding of the structure of universities and issues facing the UK higher education sector, for example:</p> <ul style="list-style-type: none"><li>• research funding opportunities in UK HE. (2,3)</li><li>• the challenges faced in recruiting students to UK HE. (1)</li></ul>
<b>TRAINING</b>	<p>Commitment to and evidence of continuing professional development. (1,3)</p>	
<b>QUALIFICATIONS</b>	<p>PhD or equivalent experience. (1)</p>	<p>Appropriate professional status. (1)</p>
<b>OTHER</b>	<p>Commitment to observing the University's Equal Opportunities policy at all times. (1,3)</p> <p>Formal recognition of professional standing in teaching (e.g. Fellow of the HEA) or commitment to obtaining this within reasonable timeframe. (1)</p>	

## CONDITIONS OF SERVICE

The position is **full time** and **open-ended**. Salary will be on **Research Teaching and Enterprise Grade 9, minimum £57,674 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 at [www.lboro.ac.uk/conditions-service](http://www.lboro.ac.uk/conditions-service)

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 [www.lboro.ac.uk/hr/a-z/family-leave-policy-and-procedure---page.html](http://www.lboro.ac.uk/hr/a-z/family-leave-policy-and-procedure---page.html)

We also offer an on-campus nursery with subsidised places, subsidised places at local holiday clubs and a childcare voucher scheme (further details are available at: [www.lboro.ac.uk/hr/a-z/childcare-information---page.html](http://www.lboro.ac.uk/hr/a-z/childcare-information---page.html))

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 [www.lboro.ac.uk/hr/athena-swan](http://www.lboro.ac.uk/hr/athena-swan)

## APPLICATION AND INTERVIEW

**The closing date for applications is 8 May 2017.**

**Online:** <https://vacancies.lboro.ac.uk>

Please complete a University application form online, including full education details. You should also provide a single document consisting of a full CV, with full publications list, together with an outline proposal (no more than 2 pages of A4) setting out your intentions in the post in respect of research and teaching. Incomplete applications will not be considered.

### **Interview**

Interviews will be held on **17 and 18 May 2017**.

## INFORMAL ENQUIRIES

Informal enquiries should be made to Professor Paul Conway, Dean of School by email at: [P.P.Conway@lboro.ac.uk](mailto:P.P.Conway@lboro.ac.uk) or by telephone on +44 (0)1509 227505.



# THE WOLFSON SCHOOL OF MECHANICAL, ELECTRICAL AND MANUFACTURING ENGINEERING



RANKED 3RD FOR  
MECHANICAL  
ENGINEERING  
GUARDIAN UNIVERSITY  
GUIDE 2017



RANKED 6TH FOR  
MECHANICAL  
ENGINEERING  
COMPLETE UNIVERSITY  
GUIDE 2017

The home of world leading engineering, we have an international reputation for being at the forefront of technological innovation and for maintaining extensive links with industry. The School is one of the largest engineering schools of its kind in the UK, comprising 123 academic staff, 122 research staff, 215 PhD students, 30 administrative staff, 46 technicians and 17 management and specialist staff.

We aim to provide international leadership in research and innovation and an unrivalled educational experience. Our graduates, who are highly sought after, are testament to our success, helping to provide industry with the skills and knowledge to give them the competitive edge required to succeed in the 21st century. We bring together outstanding facilities, superb teaching and strong links with industry to make sure our graduates are completely ready for their future career. Enterprise is especially embedded in our programmes, including industry based individual and group projects with commercial customers, more than 66% of our undergraduates spending a year in industry, commercialisation of our graduate, post graduate and research projects and knowledge exchange activities with the public, private, third sector and government.

The vision for our research endeavours is to provide world leading engineering solutions to today's global challenges. Research grants, principally from the UK Research Councils and the EU, and extensive industrial collaborations generate annual research funds currently in excess of £10m/year and provides a portfolio at present of >£52M. In addition to holding two prestigious Queen's Anniversary Prizes for our research, we are currently home to three EPSRC national centres, for Innovative Manufacturing in Regenerative Medicine, for Innovative Manufacturing in Intelligent Automation and a Centre for Doctoral Training in Embedded Intelligence. We are also lead collaborators in an additional three EPSRC Centres for Innovative Manufacturing and another four Centres for Doctoral Training. One of the major centres of excellence within the School is the Centre for Renewable Energy Systems Technology (CREST) which has a world-leading reputation for research across a spectrum of renewable energy technologies.

We are now looking to appoint a Professor of Wind and Ocean Energy to join CREST. The candidate should have an excellent international profile in these sectors and we particularly welcome candidates with a background in wind and ocean resource evaluation, aero- and hydro-dynamics applied to wind and ocean renewable energy technologies, operations and maintenance research and array performance.

We seek individuals who can contribute positively to CREST's research profile, be a leader in the area of Wind and Ocean Energy research, demonstrate their current contribution to developments in their field of expertise, and have a significant portfolio of publications at an internationally recognised level. The person should be able to lead and participate in research consortia in the field of Wind and Ocean Energy, such as the forthcoming Supergen Hub in Offshore Renewable Energy, and be prepared to work with industrial partners including the Offshore Renewable Energy Catapult. From a teaching perspective, the successful appointee must be able and willing to teach a wide range of topics in relation to Wind and Ocean Energy, including topics relevant to CREST's world-renowned MSc in Renewable Energy Systems Technology.

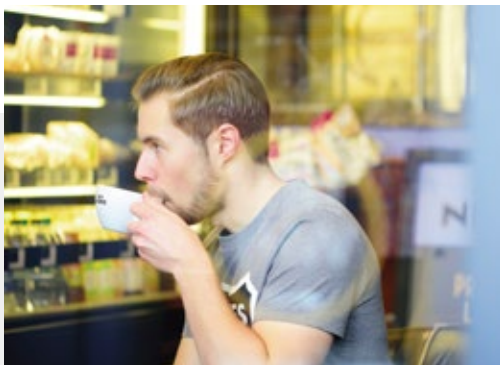


## THE LOCAL AREA

Loughborough is a large market town, with a population of around 60,000, within the borough of Charnwood in the county of Leicestershire. It is home to the Great Central Railway, the UK's only double track, main line heritage railway, and was the birthplace of Ladybird Books.

The town is also close to some beautiful countryside. In the centre of the area is the broad flat plain of the River Soar, and to the east are the rounded rolling hills of the Leicestershire Wolds, with some of England's loveliest and most unspoilt villages. The National Forest and Bradgate Park are both close by. Bradgate Park dates from at least 1240 and has roaming herds of red and fallow deer. Its house was the birthplace and childhood home of Lady Jane Grey, who was Queen of England for nine days in 1553 and who lost her crown, and her head, to Mary Tudor, eldest daughter of Henry VIII.

Loughborough's central location is also ideal for exploring the nearby cities of Leicester, Nottingham and Derby, which offer an array of shopping, dining and cultural attractions. Leicester boasts the National Space Centre and the King Richard III Visitor Centre – the King's skeleton was discovered in the city and now lies in Leicester Cathedral. Nottingham is home to the legend of Robin Hood, Nottingham Castle and Sherwood Forest and was recently announced as a UNESCO City of Literature. The beautiful Peak District National Park and historic Chatsworth House are situated just outside Derby.



# GETTING TO LOUGHBOROUGH

Loughborough is easily accessible by road, rail and air.

The campus is less than two miles away from junction 23 of the M1 motorway. Nottingham, Leicester and Derby are all within a 40 minute drive.

London (St Pancras International) is one-and-a-half hours away by train. Birmingham is one hour and Manchester and Leeds around two hours. Loughborough station is around 10 minutes away from the campus, and a regular bus service connects the station with the University.

Coach services to UK and European destinations are available through National Express and Megabus.

There are regular scheduled flights from UK, European and international destinations to East Midlands Airport, which is only seven miles away from the University campus.

# GETTING TO LOUGHBOROUGH LONDON

Loughborough University London is convenient and accessible, with easy and affordable transport connections to central London, the UK and Europe.

The University is just ten minutes' walk from Stratford International station, Docklands Light Railway (DLR), London Underground and several bus services, including National Express and Megabus.

From Stratford International Station you can get to St Pancras International Station in fewer than seven minutes. St Pancras International offers high speed rail access direct to a number of European cities including Paris and Brussels. It also provides links to the UK's major cities, including Birmingham, Manchester, Cardiff and Edinburgh. Loughborough University is just 90 minutes away.

London's major airports (City, Gatwick, Heathrow and Stansted) are between 15 and 60 minutes away, offering both international access and cheap budget flights across Europe and beyond.



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