

LECTURER IN PHYSICS

Job Ref: REQ17182

As part of the University's ongoing commitment to redeployment, please note that this vacancy may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.

The [Department of Physics](#) is part of the [School of Science](#) at Loughborough.

Job Purpose

Loughborough University's School of Science is seeking to appoint a dedicated and enthusiastic academic to a Lectureship in Physics.

The Physics Department at Loughborough University has a vibrant community of researchers who are committed in supporting each other to deliver outstanding research. Department research covers diverse topics listed in <http://www.lboro.ac.uk/departments/physics/research/> in particular we have a well-established internationally renowned research group in Condensed Matter Physics.

Loughborough University holds the Athena SWAN Bronze award, recognising its commitment to improving the representation and career progression of women in STEM (science, technology, engineering and mathematics) subjects. The Department of Physics is committed to creating a diverse and inclusive culture in which students are able to thrive, regardless of their gender, and is due to apply for Juno Practitioner status next Autumn in recognition of our actions to address the under representation of women in university physics.

Candidates should be able to collaborate effectively in a team atmosphere and have an emerging track record of outstanding research and the potential to attract external funding. Through their contribution to the teaching, research and enterprise activities within the Department of Physics, they will initiate and participate in collaborative activity with other School members and across the University.

They will undertake independent research pertinent to the Department's research programmes and priorities; applications are specifically encouraged in research areas that encompass aspects of condensed matter physics, such as: topological insulators, thermoelectrics, spintronics, spin Seebeck effect, and unconventional superconductor devices. Teaching will involve the leadership and delivery of undergraduate and postgraduate modules at all levels of the undergraduate programmes.

Job Description

Please note that this is a generic job description for the position of Lecturer.

Job Grade

Research, Teaching and Enterprise Grade 6/7

Job Purpose

To contribute to and enhance the research, teaching and enterprise activities of the Department of Physics in support of the University Strategy, Building Excellence.

Job Duties

Research

- To collaborate in research initiatives with colleagues both within the University and externally.
- To pursue a personal research programme consistent with the research priorities of the Department of Physics in the School of Science 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 major international conferences.
- To supervise postgraduate students at Masters and Doctoral levels.

Teaching

- To work with colleagues in the School to deliver 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.
- 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 cooperate with colleagues in the continuous review and development of the School's taught programmes and curriculum.

Enterprise

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

Related Activities and Functions

- To work effectively with relevant administrative, technical and academic staff 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 School 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.

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 Science and the Head of the Physics Department.

Person Specification

Your application will be reviewed with respect to meeting the essential and desirable criteria listed below.

Applicants are strongly advised to structure their application around and explicitly state and evidence how they meet each of the criteria in their application.

Stages of assessment are as follows:

- 1 – Application
- 2 – Skype or telephone interview
- 3 – Presentation to Staff and Students
- 4 – Interview

Essential Criteria

Area	Criteria	Stage
Experience	Evidence of research and/or academic activity in Physics as detailed in the Job Description (Job Purpose).	1, 2
	Experience of working in a high quality academic research environment including experience at post-doctoral level or equivalent.	1
	Evidence of authoring original work, in refereed academic journals.	1
	Experience of presenting research work at international conferences	1
Skills and abilities	Ability to develop an original research programme on your own initiative and to persuade others of its importance.	3,4
	Ability to identify and develop potential social / cultural / economic impact from professional activity.	3,4
	Knowledge of research and enterprise funding opportunities in UK HE and understanding of how to secure funding.	3,4
	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.	2,3,4
	Ability to develop a teaching programme working with initiative and in collaboration with other staff.	2,4
	An understanding of Loughborough's research strengths and its relationship to your discipline	3,4
	Ability to work as part of and to lead a team.	4
Training	Commitment to and evidence of continuing professional development.	1,2
Qualifications	PhD in Physics or equivalent.	1
	Achieved or progressing towards appropriate professional status.	1,2
Other	Commitment to observing the University's Equal Opportunities policy at all times.	4

Desirable Criteria

Area	Criteria	Stage
Skills and abilities	Ability to take part in module and programme development.	4
	Knowledge of the challenges faced in UK HE.	4
Qualifications	Achieved or progressing towards appropriate professional status.	1,2
Experience	Experience in supporting E&D initiatives in their field	1,2

Conditions of Service

The position is full time and open-ended. Salary will be on Research Teaching and Enterprise Grade 6/7 (£34,956 - £46,924 per annum) at a starting salary to be confirmed on offer of appointment.

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

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

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: <http://www.lboro.ac.uk/services/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 <http://www.lboro.ac.uk/services/hr/athena-swan/>

Informal Enquiries

Informal enquiries should be made to **Prof Sergey Saveliev, Head of Department** by email at S.Saveliev@lboro.ac.uk or by telephone on **01509 223302**.

Applications

The closing date for receipt of applications is **11 April 2017**. Shortlisted candidates will be interviewed via 15 minute Skype interviews (or an equivalent suitable technology) before further shortlisting and a presentation followed by a full University selection panel.