



**Job Title: Lecturer in Planetary Science**

**Grade: 8**

**Salary: £42,155 to £51,805 per annum pro rata**

**Department: Physics and Astronomy**

**Hours/Contract: Full-time (job share considered) permanent**

**Job Family: Teaching and Research**

**Reference: 5813**

### Role Purpose

The School of Physics and Astronomy is seeking to make an academic appointment at Lecturer (Grade 8) level with a focus on Planetary Science and/or Planetary Science-related Space Instrumentation and/or technology research. As a Lecturer on a teaching and research contract, the post holder will become a leading member of the Planetary Science research group of the School of Physics and Astronomy and will make significant contributions to the delivery of our high-quality undergraduate and post-graduate teaching programmes.

The School of Physics and Astronomy is proudly committed to issues of Equality, Diversity and Inclusion (EDI), and strives to ensure that everyone feels welcome and valued so that they can thrive and develop in the School environment and in their careers. As such the post holder will be strongly encouraged to engage with EDI activities and expected to promote EDI values particularly within their various teaching and research responsibilities.

### Resources Managed

#### Main Duties and Responsibilities

##### Research

- To contribute in a significant and meaningful manner to the School's research profile by producing research of international quality.
- To contribute to the research strategy of the School, Space Park Leicester and the College of Science and Engineering.
- To lead and manage research and/or space instrument projects within the research group, including their financial control and to supervise research assistants and research students.
- Contribute to the School's Knowledge Exchange, Innovation and Impact programmes where appropriate.
- To secure, in collaboration with colleagues as appropriate, external research funding through research grants or contracts to support a well-defined research agenda, which will deliver outputs of international excellence.
- To attend and present research findings and papers at academic and professional conferences, and to contribute to the external visibility of the School, consistent with available resources and School obligations.
- To publish research articles in high-quality peer-reviewed journals and volumes.
- To ensure that all research activities undertaken are in compliance with the 'Research Code of Conduct' operated by the University.
- To provide high-quality supervision of postgraduate research students (e.g. PhD), and adhere to the Concordat to Support the Career Development of Researchers.
- To contribute to recruitment and winning support for studentships where appropriate.
- To embed diversity and inclusion best practice into all elements of research project delivery and planning.





## Teaching

- To contribute fully to the delivery of teaching in the School, including giving lectures, seminars, tutorials, workshops and other classes, and to supervise project work by undergraduate and/or postgraduate taught students.
- To work with colleagues in the review and development of the curriculum and in the design and launch of new modules, degrees or other forms of training.
- To maintain a broad knowledge of up-to-date research, innovation and scholarship in relevant fields to ensure that teaching meets the standards expected within a research-led University, including obtaining suitable qualifications if not already held (e.g. fellowship of the HEA).
- To undertake academic duties (e.g. setting examination papers, marking, invigilation and pastoral support of students) required to sustain the delivery of high quality teaching.
- To strive for continuous improvement of the teaching and learning environment and the student experience and satisfaction by adopting and pioneering creative approaches to teaching and learning.
- To include diversity and inclusion good practice into all elements of teaching delivery and development.
- To support and comply with the University and School teaching quality assurance standards and procedures including the provision of such information as may be required by the School or the University.

## Administration

- To undertake such specific School roles and management functions as may be reasonably required by the Head of School.
- To undertake relevant roles of responsibility including line management of any research staff appointed to work with the post-holder, in discussion with the Head of Research Group.
- To attend meetings of the School and to participate in other Committees and working groups within the School, the College and the University to which they may be appointed or elected.
- To engage in continuous professional development, for example through participation in relevant staff development programmes.
- To undertake, subject to agreement of the Head of School and the wider University, external commitments which reflect well upon and enhance the reputation of the University.
- To support the School's EDI aims, contributing as required to its Athena Swan and Juno activities.
- To ensure compliance with health and safety requirements in all aspects of work.
- To contribute to the development of others through mentoring and coaching, particularly for early career researchers, postdoctoral and postgraduate researchers.
- To develop leadership skills at School, College or Institutional level, and to engage with Institutional impact activities.

## Internal and External Relationships





Establish and maintain strong working relationships with the Head of School of Physics and Astronomy, and School Management Group, including for example the Director of Teaching and Learning, Director of Research, Director of Admissions, Director(s) of Equality Diversity and Inclusion.

Work closely with the Head of Research Group and the associated group members, and undertake management of a research team within that structure.

Collaborate across research groups and Schools/Colleges as appropriate.

Contribute to the supportive environment within the School, for instance through the Equality Diversity and Inclusion Committee or through the School Mentoring programme as appropriate.

Contribution to the College of Science and Engineering and University's ambitious Internationalisation Strategy and other relevant strategies.

Coordination with central University offices (Research and Enterprise Development Office, Doctoral College, Leicester Institute for Advanced Studies, Registry, Estates) as required.

External representation on national/international scientific bodies/committees.

Delivery of research presentations at national/international conferences and meetings.

Peer review of research outputs for national/international journals.

Support international project activities.

## Planning and Organising

Medium and Long term planning/organisation of work in delivery of varied aspects of the job specification (e.g. through the Personal Development Discussion).

Seek guidance from Teaching and Research mentors, administrative support staff, and other academic colleagues as required.

Seek training opportunities to enable personal teaching and research related objectives to be met (e.g. through the Personal Development Discussion).

Contribute to long-term strategic research planning within research group and School.

## Qualifications, Knowledge and Experience

### Essential

- PhD in a relevant discipline (\*)





- Postdoctoral research experience encompassing a growing research profile both nationally and internationally, with research experience in planetary science and/or space instrumentation related research (\*)
- Track record of publication of high quality journal papers (\*)
- Contribution to the impact agenda across a School/Department
- Evidence of success in the management of research at national and international levels

### Desirable

- Evidence of successful grant capture (\*)
- Experience of high quality teaching at undergraduate and/or postgraduate level including diversity and inclusion good practice (\*)
- Demonstrated excellence in supervision of PhD students in a research environment (\*)
- Leadership and esteem in national or international research networks and collaborations (\*)
- Hold, or be able to work towards, a recognised teaching qualification at an appropriate level for the post (e.g. Fellow of the Higher Education Academy)
- Contributions towards recruiting and winning support for research students
- Experience in leading a team of researchers
- Membership of international research projects and/or space mission teams
- Experience in innovation and commercialisation of research

### Skills, Abilities and Competencies

#### Essential

- Ability to support as part of a research team in the acquisition, evaluation and/or interpretation of planetary science datasets, theoretical or other modelling techniques, and other specialised information (\*)
- Ability to organise and prioritise tasks within agreed work schedules (\*)
- Ability to carry out analyses, tests and critical evaluations using agreed techniques, approaches and/or models
- Ability to teach classes using a comprehensive range of delivery methods including lectures, workshops, laboratory classes, and one-to-one or group project supervision tutoring within an established course
- Ability to review, evaluate and develop the key skills of students
- Develop resource materials to enhance teaching delivery

#### Desirable

- Ability to lead, manage and mentor a research team (\*)
- Ability to show strategic thinking in devising personal research programmes and for long-term, high quality research within the School

***\*Criteria to be used in shortlisting candidates for interview***

### Criminal Declaration





If you become an employee, you must inform your manager immediately, in writing, if you are the subject of any current or future police investigations/legal proceedings, which could result in a criminal offence, conviction, caution, bind-over or charges, or warnings.

### Supporting University Activities

As a University of Leicester citizen, you are expected to support key university activities such as clearing, graduation ceremonies, student registration and recruitment open days. We expect all staff as citizens to work flexibly across the University if required.

### University Values

**Inclusive** - We are diverse in our makeup and united in ambition. Our diversity is our strength and makes our community stronger.

**Inspiring** - We are passionate about inspiring individuals to succeed and realise their ambitions. We challenge our community to think differently, to get involved, and to constantly embrace new ideas.

**Impactful** - As Citizens of Change we will generate new ideas which deliver impact and empower our community

### Equality and Diversity

We believe that equality, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equality support our efforts to attract a diverse range of high quality staff and students, and identify our University as a progressive and innovative workplace that mainstreams equality, diversity and inclusion.

