



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

University Academic Fellow in Earth Observation of the Cryosphere,
School of Earth and Environment, Faculty of Environment



Salary: Grade 8 (£40,792 – £48,677 p.a.)

Reference: ENVEE1338

Closing date: 30 June 2019

We will consider job share and flexible working arrangements

University Academic Fellow in Earth Observation of the Cryosphere, School of Earth and Environment, Faculty of Environment

Are you an experienced and ambitious researcher looking for your next challenge? Do you have a strong background in satellite Earth observation? Do you want to further your career in World-Leading research-intensive Russell Group University?

With a vision and drive to contribute a World-Leading research Portfolio, as well as a passion for undertaking research-led teaching, you will make a significant impact on the performance, stature and profile and student education at The University of Leeds.

The University of Leeds is a growing hub of Earth Observation expertise across a range of disciplines, and you will work collaboratively to compliment this work, increasing the stature and profile of satellite based research at Leeds. As a University Academic Fellow you will lead on the development and delivery of satellite Earth observation and numerical model data services for the Centre for Polar Observation and Modelling (CPOM) (30% of workload per year for the first 5-years). As part of the role we will support you in fostering new interdisciplinary collaborations within the School and across the University.

You will have a PhD (or equivalent qualification) in a relevant field and significant research expertise in the field of cryosphere research with a focus on using satellite Earth observation techniques to study the cryosphere. You may also have experience of developing and running a satellite data service. Experience of studying land ice using Synthetic Aperture Radar (SAR) data is also desirable to complement the existing research expertise in the School of Earth and Environment and CPOM.

Career Pathway: Tenure track equivalent post requiring successful completion of a 5 year development plan, leading to appointment to a Grade 9 Associate Professor, with the potential for accelerated progression.

What does the role entail?

As a University Academic Fellow your main duties will include:

- Pursuing a programme of individual and collaborative research, resulting in high quality publications and a national and international profile and engaging with industry as appropriate to attract and co-ordinate major initiatives;
- Promoting the integration of your own research area with other research interests, in the School, Faculty and University;
- Attracting research funding individually and collaboratively to underpin high quality research activity and research programmes/projects;
- Developing a strategy to ensure that your research has the potential for impact beyond academia;

- Undertaking research-led teaching at different levels, with engagement in continual improvement in response to student and other feedback;
- Contributing to the design, development and planning of teaching modules and policy within the subject area as required;
- Working in partnership with students to provide outstanding education and an excellent student experience;
- Contributing to the management of the School or cross university interdisciplinary initiatives by taking on appropriate leadership, management and administrative responsibility;
- Leading academic initiatives and projects in research and student education which facilitate School, Faculty and/or University development;
- Participating in the recruitment, management and development of staff as well as acting as a mentor to less experienced colleagues;
- Contributing to the development of the discipline or research area, e.g. through organisation of conferences or membership of key bodies setting the strategic direction of the area;
- Contributing to the development and achievement of University, faculty and school strategy within the context of an international, research-led university;
- Becoming a specialist in the field, developing and maintaining an external profile as appropriate to the discipline;
- Maintaining your own continuing professional development;
- Carrying out the duties of the post in accordance with University policies, procedures, values and standards, including the Leadership and Management standard.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As a University Academic Fellow you will have:

- A PhD (or equivalent qualification) in a relevant field;
- Significant research expertise in the field of cryosphere research, with a focus on satellite Earth observation techniques;
- A clear and compelling academic plan that will deliver academic and more general impact at an international level;
- A clear strategy to connect across the different research groups within the University;
- Significant proven research experience within the academic discipline with a developing record of internationally excellent publications;

- Experience of presenting at national and international conferences and/or symposia;
- Evidence of building strong working relationships within and, as appropriate, beyond your own discipline and to contribute to successful projects and collaborations;
- The potential and commitment to undertake high quality and innovative teaching and gain a higher education teaching qualification or award;
- Experience of delivering and engaging with student education where opportunities have existed;
- A high level of interpersonal and communication skills, and a strong ability to communicate effectively in writing and verbally with students, academic and external audiences;
- The ability to lead projects and organise, balance and prioritise work commitments.

You may also have:

- Experience of designing and running successful cryosphere related satellite data services, and a long term vision for how to expand the services offered by CPOM;
- Expertise to lead the development of a new Synthetic Aperture Radar (SAR) group for cryosphere applications;
- A successful track record in gaining significant independent research funding;
- Experience of leading on projects and initiatives, including managing resources and conflicting priorities within challenging circumstances;
- A growing track record of successful and innovative teaching at both undergraduate and/or postgraduate level;
- Experience of involvement in postgraduate research supervision;
- Experience of working collaboratively with external partner organisations;
- Experience of mentoring in the workplace.

How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised closing date. Your application should include:

- A CV;
- A supporting statement detailing your research and academic plan (no more than two sides of A4, minimum font size 11);
- A list of your publications.

Contact information

To explore the post further or for any queries you may have, please contact:

Professor Andrew Shepherd, Professor of Earth Observation.

Email: a.shepherd@leeds.ac.uk

Additional information

Working at Leeds

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.

Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position, however, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information.