

# Teaching Fellow in Satellite Applications

Department	Mechanical and Aerospace Engineering ( <a href="http://www.strath.ac.uk/mae/">www.strath.ac.uk/mae/</a> )		
Faculty	Faculty of Engineering ( <a href="http://www.strath.ac.uk/engineering/">www.strath.ac.uk/engineering/</a> )		
Staff Category	Teaching	Reference No	95275
Reports To	The Head of Department, through Dr Malcolm Macdonald	Grade:	8
Salary Range:	£39,992 - £49,149	Contract Type:	Fixed Term (3 years)
FTE:	1	Closing Date	Thursday, 30 November 2017

## Job Advert

The Department of Mechanical and Aerospace Engineering, seeks to recruit a Teaching Fellow to lead the day-to-day development and delivery of a new Master of Science (MSc) course in Satellite Applications, in partnership with the UK Space Agency and a number of UK and international academic and commercial partners. The course will comprise existing cross-faculty material alongside to-be-developed material, and seeks to develop a globally unique and innovative learning experience and environment. The Fellow will be required to liaise with project partners and stakeholders in the UK and internationally, and to perform relevant research scholarship, supported by a Teaching Associate (Grade 7).

As a Teaching Fellow you will design, deliver and assess a range of teaching materials, making a clear contribution via departmental discussions, to curriculum review and enhancement. You will engage in individual and/or collaborative projects, developing and producing learning materials and disseminating the results of scholarship as appropriate to teaching, research and knowledge exchange. You will also be involved in the development of proposals to secure funding to support on-going additional teaching developments. You will engage in relevant research scholarship, in support of professional and knowledge exchange activities as well as student supervision and research-led teaching.

To be considered for the role, you will be educated to a minimum of PhD level in an appropriate discipline, or have significant relevant experience in addition to a relevant degree. You will have experience of working in, or working with satellite applications, and knowledge of how applied research and development activities are conducted and funded. You will have an established track record of teaching at postgraduate level, experience of student assessment activities and experience of curriculum development. You will have an ability to plan and organise your own workload, an ability to self-direct with minimal input from director level, and supervise and delegate work to others, as required. You will have an ability to work within a team environment and lead teams where required, ensuring that deadlines are met. You will have a passion for teaching and excellent interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences.

Whilst not essential for the role, applications are welcomed from candidates with: membership of relevant Chartered/professional bodies (including the Higher Education Academy); experience of working in, or with the commercial sector; experience of managing teaching activities and teams; a track record of securing funding for teaching, scholarship and/or knowledge exchange activities; a track record of relevant scholarship and/or research activity; and/or a track record in knowledge exchange related activities.

## Job Description

### Brief Outline of Job:

To design and deliver a new Master of Science (MSc) course in Satellite Applications, to design and deliver a range of teaching materials and undertake student assessment activities; to engage in relevant scholarship, professional and knowledge exchange activities; and to carry out administrative tasks assigned by the Head of Department/School.

## Main Activities/Responsibilities:

1.	Design, develop, and deliver a range of teaching materials at postgraduate level, including contribution to curriculum review and enhancement, in a manner that supports a research-informed approach to student learning.
2.	Undertake student assessment and examination activities, including the provision of appropriate feedback to students.
3.	Supervise students and staff as required, providing direction, support and guidance.
4.	Engage in individual or collaborative scholarship activities, developing and producing learning materials and disseminating the results as appropriate.
5.	Participate in the development and submission of proposals to secure funding for teaching development, and where appropriate research and knowledge exchange, activities.
6.	Develop knowledge exchange activities by, for example, establishing educational links with industry and influencing public policy and the professions.
7.	Contribute to cognate research activities by providing specialist input based on professional expertise, experience and qualifications/registration.
8.	Engage in continuous professional development, which may include establishing, in a developing capacity, a personal portfolio of research activity.

\* This job description is designed to identify key responsibilities of the post. It is not an exhaustive list of duties and will be subject to amendment as necessary in consultation with the post holder.

## Person Specification

### Educational and/or Professional Qualifications

(E=Essential, i.e. a candidate must meet all essential criteria to be considered for selection, D=Desirable)

E1 Good honours degree and PhD (or equivalent professional experience) in appropriate discipline.

D1 Membership of relevant Chartered/professional bodies (including Higher Education Academy)

### Experience

E2 Experience of curriculum development

E3 Established track record of teaching at postgraduate level

E4 Experience of working in, or working with satellite applications, and knowledge of how applied research and development activities are conducted and funded.

D2 Experience of working in, or with the commercial sector

D3 Experience of managing teaching activities and teams

D4 Experience in dealing with a range of complex issues in relation to collaborative projects arising from differing approaches/priorities of partners/stakeholders.

### Job Related Skills and Achievements

E5 Ability to work within a team environment and lead teams where required

E6 Ability to plan and organise own workload and supervise and delegate work to others

E7 Ability to develop ideas for, and disseminate/apply results of, scholarship activities

D5 Track record of securing funding for teaching, scholarship and/or knowledge exchange activities

D6 Track record of relevant scholarship and/or research activity

D7 Track record in knowledge exchange related, or commercial activity

### Personal Attributes

E8 Excellent interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences.

E9 A passion for teaching and an interest in curriculum development

E10 Ability to self-direct with minimal inputs from director level.

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E1 | Excellent personal organisational skills and ability to work to deadlines

D8 Entrepreneurial attitude to identifying and pursuing opportunities with necessary persistence and drive to bring projects to a conclusion.

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## Application Procedure

Applicants are required to complete an application form including the name of three referees who will be contacted before interview without further permission, unless you indicate that you would prefer otherwise. Applicants should also submit a Curriculum Vitae and a covering letter detailing the knowledge, skills and experience you think make you the right candidate for the job. Applicants should also complete the Equal Opportunities Monitoring Form.

## Other Information

Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforus>).

Informal enquiries about the post can be directed to Dr Malcolm Macdonald, Reader of Space Technology ([malcolm.macdonald.102@strath.ac.uk](mailto:malcolm.macdonald.102@strath.ac.uk)).

### Conditions of Employment

Conditions of employment relating to the Teaching staff category can be found at: [Conditions of Employment](#).

### Pre-employment health screening

An offer of appointment will be subject to a medical assessment by Occupational Health. An individual who accepts an offer of employment must complete a confidential medical questionnaire and forward it to the Occupational Health Nurse within 5 days of receipt. If further information is required the individual may be contacted by the OHN or a Medical Advisor and a personal appointment with the individual may be arranged. An unconditional contract of employment will not be issued until Human Resources receives confirmation that applicant is fit to undertake the duties of the post.

### Probation

Where applicable, the successful applicant will be required to serve a 12 month probationary period.

### Pension

The successful applicant will be eligible to join the Universities' Superannuation Scheme. Further information regarding this scheme is available from [Payroll and Pensions](#).

### Interviews

Formal interviews for this post will be held on Monday, 18 December 2017.

### Equality and Diversity

We value diversity and welcome applications from all sections of the community.

The University currently holds a Bronze Athena SWAN award, recognising our commitment to advancing women's careers in science, technology, engineering, maths and medicine (STEMM) employment in academia.

