

Research Associate

Department	Naval Architecture, Ocean and Marine Engineering (www.strath.ac.uk/naome/)		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Research	Reference No	I50800
Reports To	Dr Erkan Oterkus	Grade:	7
Salary Range:	£31,604 - £32,548	Contract Type:	Fixed Term (31/03/2020)
FTE:	1 (35 hours/week)	Closing Date	Tuesday, 21 August 2018

Job Advert

The Faculty of Engineering at the University of Strathclyde is one of the largest and most successful engineering faculties in the UK, and the largest in Scotland. As a leading international technological university, Strathclyde University is recognised for its world class research, knowledge exchange and educational programmes.

The Department of Naval Architecture, Ocean and Marine Engineering is recognised nationally and internationally for its excellence in teaching and research in naval architecture, ocean engineering, marine engineering, and small craft technology. The Department has excellent hydrodynamic testing facilities and expanding marine engine and fuel cell laboratories, and has led the establishment of Strathclyde Marine Institute which co-ordinates and promotes joint research in all aspects of marine science (both physical and social), technology, business, finance and law across the University.

The Department of Naval Architecture, Ocean and Marine Engineering (NAOME) seeks to appoint a Research Associate to work on a Newton Institutional Links research project that will investigate floating desalination platforms. The Research Associate will mainly work on hydrodynamic and aerodynamic analysis of the mobile floating desalination platforms. To be considered for the post the successful candidate will have a PhD (or significant, relevant professional experience) in an appropriate discipline. You will have demonstrated research excellence at PhD and/or post-doctoral levels in hydrodynamic and/or aerodynamic analysis. You should also have a demonstrable track record of publications. Additionally, you will have excellent written and verbal communication skills, with an ability to engage with a range of stakeholders from both industry and academia. You will have an ability to listen, engage and inform, as well as present complex information in an accessible way to a range of audiences while also being able to work as part of a team.

Job Description

Brief Outline of Job:

The Research Associate will support all research activities assigned to University of Strathclyde as part of Newton Institutional Links research project with partners from Egypt. The Research Associate will mainly work on hydrodynamic and aerodynamic analysis of the mobile floating desalination platforms. The Research Associate will present the research data in international conferences and publish research papers in leading journals.

Main Activities/Responsibilities:

1.	As part of a wider research group or programme, develop research objectives and proposals for own or joint research and play a lead role in this specific project, with guidance from senior colleagues as required.
2.	Conduct individual and/or collaborative research, including determining appropriate research methods and contributing to the development of new research methods.

3.	Identify sources of funding and contribute to the securing of funds for research, including drafting grant proposals and planning for future proposals.
4.	Write up research work for publication, individually or in collaboration with colleagues, and disseminate results, for example, peer reviewed journal publications and presentation at conferences.
5.	Join external networks to share information and ideas, inform the development of research objectives and to identify potential sources of funding.
6.	Collaborate with colleagues to ensure that research advances inform departmental teaching effort.
7.	Collaborate with colleagues on the development of knowledge exchange activities by, for example, participating in initiatives which establish research links with industry.
8.	Plan and manage own workload, with guidance from colleagues as required.
9.	Supervise student projects, provide advice to students and contribute to teaching as required by, for example, running tutorials and supervising practical work.
10.	Contribute in a developing capacity to Department/School, Faculty and/or University administrative and management functions and committees.

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 in a relevant discipline such as Naval Architecture, Ocean and Marine Engineering

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

Experience

E2 Experience in analysis of renewable energy devices

E3 Sufficient breadth or depth of knowledge in the relevant discipline/s to contribute to research programmes and to the development of research activities.

D2 Some relevant work experience.

D3 Experience of relevant student supervision and teaching activities.

D4 Experience of knowledge exchange related activities.

Job Related Skills and Achievements

E4 Developing ability to conduct individual research work, to disseminate results and to prepare research proposals.

E5 Ability to plan and organise own workload effectively.

E6 Experience in CFD analysis

E7 Experience in SESAM software

E8 Ability to work within a team environment.

Personal Attributes

E9 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.

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 Erkan Oterkus, Senior Lecturer (erkan.oterkus@strath.ac.uk, 0 141 548 3876).

Rewards and Benefits

Our staff have access to a wide range of outstanding benefits that include financial rewards, family friendly and wellbeing benefits and career development opportunities, details of which can be found [here](#).

Conditions of Employment

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

Probation

Where applicable, the successful applicant will be required to serve a 9 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](#).

Relocation

Where applicable, the University offers a relocation package to support new employees who meet the eligibility criteria. The relocation package is offered as a contribution towards costs incurred, and is designed to be flexible, allowing staff to use the financial support available in the way that will be most helpful to them. Further details are outlined in the Relocation Policy.

Interviews

Formal interviews for this post will be held on Monday, 20 August 2018.

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.

