

Knowledge Exchange Assistant

Department	Naval Architecture, Ocean and Marine Engineering (www.strath.ac.uk/naome/)		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Knowledge Exchange	Reference No	207383
Reports To	Professor Dracos Vassalos	Grade:	6
Salary Range:	£27830 - £31302	Contract Type:	Fixed Term (12 months)
FTE:	1	Closing Date	22/04/2019

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. At the heart of this is the Faculty of Engineering which boasts a growing research portfolio of nearly £100 million.

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.

As part of a significant Industry-University partnership involving, in the first instance, the University of Strathclyde – Department of Naval Architecture, Ocean and Marine Engineering, Royal Caribbean Cruise Lines and DNV GL Classification Society, a Maritime Safety Research Centre (MSRC) of Excellence has been set up. The vision is to establish a world-class centre of excellence, a reference and a shaping force of maritime safety. The mission of the centre is to support the development and nurture the implementation of Life-Cycle Risk Management, accounting rationally and formally for all cost-effective measures of risk reduction and leading to sustainable cost-effective-safety-improvement for new and existing ships and offshore assets and to the development of a modern regulatory framework to support and nurture safety culture.

The Department is seeking to appoint a Grade 6 Knowledge Exchange Assistant to support delivery of its recently awarded IN 4.0 – Adaptation of Industry 4.0 Model to the Naval Sector - project, funded by Interreg Atlantic Area, European Regional Development Fund. The role is focused on the management of the IN 4.0 work packages allocated to MSRC (organisation of meetings, symposia, teleconferences, teaching modules and other activities related to the dissemination of the 4.0 technologies in the maritime sector).

As a Knowledge Exchange Assistant, you will assist in the delivery of knowledge exchange activities as part of a team, within an established knowledge exchange /research programme/s under the general supervision of senior colleagues. You will assist in initial research through conducting literature reviews, gathering information and collating findings. You will be expected to write up the results of your knowledge exchange activities and contribute to the production of relevant reports and publications. Under the guidance of the senior colleagues, you will liaise directly with external partners to provide support with the terms of the programme. You will also input as a team member to administrative activities and assist where required with relevant research and teaching activities.

To be considered for the role, you will be educated to a minimum of Degree level in a relevant Engineering subject such as Naval Architecture & Marine Engineering, Mechanical Engineering or similar discipline. You will have good knowledge of the research methods for marine systems engineering and in the design principles in Industry 4.0. You will have knowledge of appropriate knowledge exchange and research methods, have an ability to plan and prioritise your own workload, with general supervision, and you will have an ability to work within a team environment. You will have 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.

Job Description

Brief Outline of Job:

To assist in the delivery of knowledge exchange activities as part of a team, working within an established knowledge exchange /research programme/s under the general supervision of senior colleagues; to input as a team member to administrative activities; to assist where required with relevant research and teaching activities.

Main Activities/Responsibilities:

1.	Assist the delivery of knowledge exchange projects by assisting in initial research by, for example, conducting literature reviews, gathering information with regard to external partners and collating findings.
2.	Liaising directly with external partners, under appropriate supervision, to provide support consistent with the terms of the KE project.
3.	Manage and prioritise own workload within agreed objectives to ensure that all activities are completed to deadlines.
4.	Write up results of own knowledge exchange activities and contribute to the production of relevant reports and publications.
5.	Contribute to the planning of knowledge exchange programmes.
6.	Assist with research and teaching activities as required.
7.	Assist with the supervision of student projects and the delivery of introductory classes as required.
8.	Input as a team member to Department/School, Faculty and/or University administrative activities
9.	Engage in continuous professional development.

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 in appropriate discipline such as Naval Architecture & Marine Engineering, Mechanical Engineering.

D1 Higher degree (or equivalent professional experience) in appropriate discipline.

Experience

E2 Sufficient breadth or depth of knowledge of Industry 4.0, experience on cyber-physical systems, cyber security or Internet of Things (IoT) to effectively contribute to the knowledge exchange programme/s.

D2 Some relevant work experience

D3 Experience of relevant student supervision and teaching activities.

Job Related Skills and Achievements

E3 Knowledge of appropriate knowledge exchange and research methods.

E4 Ability to plan and organise own workload effectively with general supervision from senior colleagues

E5 Ability to work constructively within a team environment.

D4 Membership / working towards membership of relevant Chartered/professional bodies (for example Higher Education Academy).

Personal Attributes

E6 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 Professor Dracos Vassalos, Professor of Maritime Safety (dracos.vassalos@strath.ac.uk/0141 548 4092).

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 Knowledge Exchange 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 29/04/2019.

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.

University Values

The University's Values capture what we're all about: who we are, what we believe in and what we stand for. [Our Values](#) have been derived from how we act and how we expect to be treated as part of Strathclyde.

