



Research Assistant

Department	Naval Architecture, Ocean and Marine Engineering (www.strath.ac.uk/engineering/navalarchitectureoceanmarineengineering/)		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Research	Reference No	644745
Reports To	Head of Department/Institute, through	Grade	6
Salary Range	£31396 - £34980	Contract Type	Fixed Term (Until 31 December 2027)
FTE	0.57 (20 hours / Week)	Closing Date	29/08/2024
Working Arrangements	Hybrid. The standard requirement across the University is that at least three days per week (based on IFTE) will be spent working on-site (with flexibility as appropriate).		On Site Facilities
Holidays	31 days + 11 statutory days Option to purchase additional holidays.		
Pensions	Contributory pension scheme available to all staff including generous employer contribution.		
Training	Professional Development with Organisational and Staff Development Unit (OSDU) plus external training if required.		
Family Friendly Benefits	Generous parental leave provision, on-campus nursery and options for flexible working.		
Health and Wellbeing	University Sport centre, Occupational Health service, access to health and wellbeing events, cycle to work scheme, Employee Assistance Programme, agile working and established carers support network and carer friendly policies.		

Job Advert

The Department of Naval Architecture, Ocean and Marine Engineering is a world-leader in research, whose main interests lie in: Ship Design, Stability and Safety, Marine Hydrodynamics, Marine Structures, Ocean Engineering, Marine Engineering, Emerging Technologies, Offshore Renewable Energy and Alternative Fuels. The Department makes a significant contribution to National, European and International policy-making in Marine Technology research and its application. As a Research Associate, you will contribute to the delivery of the research activities as part of a team, working under the general supervision of senior colleagues. You will manage and prioritise your own workload and ensure that all activities are completed before deadlines and you will write up the results of your research and contribute to the production of research reports and publications. You will input as a team member to administrative activities and assist, where required, with relevant teaching and knowledge exchange activities.

The project, DP-MMC (Development and Performance Evaluation of Modular Multi-Level Converter Based High-Voltage Drive for Electric Propulsion of MW-Class Ships), is part of the Korean Government-funded Project (Project No. RS-2024-00432064). The project's overall goal is to develop and demonstrate the safety and viability and accelerate Modular Multi-Level Converter Based High-Voltage Drive for Electric Propulsion of MW-Class Ships.

As a Research Assistant, you will assist in the delivery of the research activities as part of a team, working under the general supervision of senior colleagues. You will conduct literature reviews, develop questionnaires, conduct surveys, collect and collate data, and undertake and record the outcomes of experiments. You will manage and prioritise your own workload and ensure that all activities are completed to deadlines and you will write up the results of your own research and contribute to the production of research reports and publications. You will input as a team member to administrative activities and assist, where required, with relevant teaching and knowledge exchange activities.

To be considered for the role, you will be educated to a minimum of Degree level in MSc in Naval Architecture and/or Marine Engineering and you will have sufficient breadth or depth of knowledge in system safety and reliability as well as AI-Based risk assessment. You will have knowledge of appropriate 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.

Whilst not essential for the role, applications are welcomed from candidates with: a higher Degree in a relevant discipline, some relevant work experience, membership/working towards membership of a relevant Chartered/professional body (including the Higher Education Academy), experience of relevant student supervision and teaching activities and experience of knowledge exchange related activities.

Job Description

Brief Outline of Job:

To assist in the delivery of research activities as part of a team, working on an established 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 teaching and knowledge exchange activities.

Main Activities/Responsibilities:

1.	Assist the delivery of research projects by, for example, conducting literature reviews, developing questionnaires and conducting surveys, collecting and collating data and undertaking and recording the outcomes of experiments.
2.	Manage and prioritise own workload within agreed objectives to ensure that all activities are completed to deadlines.
3.	Write up results of own research and contribute to the production of research reports and publications.
4.	Contribute to the planning of research programmes.
5.	Assist with professional and knowledge exchange activities as required.
6.	Assist with the supervision of student projects and the delivery of introductory classes as required.
7.	Input as a team member to Department/School, Faculty and/or University administrative activities.
8.	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 an appropriate discipline

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

D2 Membership/working towards membership of relevant Chartered/professional bodies (including Higher Education Academy).

Experience

E2 Sufficient breadth or depth of knowledge in the relevant discipline/s to effectively contribute to the research programme/s.

D3 Some relevant work experience.

D4 Experience of relevant student supervision and teaching activities.

Job Related Skills and Achievements

E3 Knowledge of appropriate research methods.

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

E5 Ability to work within a team environment.

D5 Experience of knowledge exchange related activities.

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 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/workforum>).

Informal enquiries about the post can be directed to Ook Jeong, Senior Lecturer (byongug.jeong@strath.ac.uk).

Conditions of Employment

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

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](#).

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.

Equality and Diversity

The University of Strathclyde is a socially progressive institution that strives to ensure equality of opportunity and celebrates the diversity of its student and staff community. Strathclyde is people-oriented and collaborative, offering a supportive and flexible working culture with a deep commitment to our equality, diversity and inclusion charters, initiatives, groups and networks.

We strongly encourage applications from Black, Asian and minority ethnicity, women, LGBT+, and disabled candidates and candidates from lower socio-economic groups and care-experienced backgrounds.

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.

