



Vacancy Notice: Research Associate, Maritime Energy Management (PS-A)

Job title Research Associate, Maritime Energy Management

Organizational Unit: Research

Grade: PS-A

Duty Station: Malmö, Sweden

Duration of contract: One-year fixed-term appointment

1. Organizational setting

The World Maritime University (WMU) is a postgraduate and research university established in 1983 by the International Maritime Organization, the maritime agency of the United Nations. WMU offers M.Sc. and Ph.D. programs, postgraduate diplomas, and Professional Development Courses with the highest standards in maritime and oceans education and training. The incumbent will be working within the Research Unit at WMU's headquarters in Malmö, Sweden.

2. Main purpose

In the framework of a major EU funded research project on maritime energy management with a special focus on Liquefied Natural Gas (LNG), WMU is seeking to recruit one full-time Research Associate.

The relevant research team of WMU will be conducting activities in relation to the necessary responses to the ever-changing situation on the LNG market. Indicative actions include the development of demand and accessibility of LNG in the Baltic Sea Region (BSR). The BSR already is one of the leaders in LNG usage, with LNG being one of the most relevant options in achieving environmental regulations (SECA, NECA) not only in Europe, but all around the world. These regulations will soon apply to other regions, requiring from countries involved to rely on working examples and solutions. In order to successfully conduct these activities, applications are being invited among those with a broad background, such as applied economists, transport and logistics specialists and policy analysts.

The successful applicant will work under the overall supervision of the Head of Maritime Energy Management specialisation as well as the Director of Research and may functionally be directed by different faculty members of MarEner.

3. Working relationships

Internal contacts – the incumbent will liaise and interact with relevant faculty members on a regular basis as well as with support staff when needed.

External contacts – the incumbent may be required to liaise with persons in the wider maritime transport sector; indicative example is the Baltic Sea Region, in the context of the GoLNG project.

4. Duties, responsibilities

The selected candidate will work with a multi-disciplinary team of faculty to investigate the relevant strategies towards the development of demand and accessibility of LNG in the BSR. In order to facilitate a fast and safe deployment of LNG in the shipping sector, sufficient education and capacity building for people that in various and different ways will be operating LNG, are needed. A strategy for a smoother and more efficient use of LNG as a fuel for transport will be put in place with the aim to enable “Blue Transport Corridors” in the region. Indicative examples of work include: investigating transport flows and LNG infrastructure developments; researching and putting forward ways to improve the wider transport chain by incorporating all available transport modalities; and enlarging the number of entities/industries that can benefit from the use of LNG.

Additionally, with the aim to build capacity in the wider LNG domain, necessary activities will include provision of training. As a streamlined approach, grouping together expertise already available can provide the way to move forward. A centre that will offer LNG expertise through specialized and competitive training courses to the maritime industry on a global level must be created. To enable a joint service, this centre will gather BSR-based LNG competence, knowledge, and specialised training facilities and research infrastructure in a network of collaboration. The successful candidate is expected to contribute into the built-up activities of that Centre.

The Research Associate will be required to perform the following tasks:

- Develop/contribute to the teaching activities of the WMU, with a special focus in the Maritime Energy Management MSc program, and in particular in the technical aspects of Maritime Energy Management such as marine engineering, alternative fuels and renewable energy;
- Contributing to the Maritime Energy (MarEner) Research Group and its activities within the core fields of the group;
- Helping developing and maintaining individual/joint research projects in the area of Maritime Energy Management;
- Contribute fully to developing and enhancing the research profile of the (MarEner) Research Group, including establishing a track record of publications of international quality in leading journals;
- Forecast trends relating to the introduction of alternative fuels in the BSR transport sector;
- Identify relevant factors/indicators (both macro and micro) to be considered for the

- tasks described above;
- Apply methods in a scientific manner to create the necessary strategy for promoting the use of LNG within the BSR;
 - Organize/liaison the delivery of workshops and project meetings;
 - Support presentation of research findings at professional conferences and meetings;
 - Develop and maintain a web/social media presence for the GoLNG project and MarEner;
 - Support project administration, including reporting/accounting;
 - Provide support for any other tasks related to the project as may be required.

5. Minimum requirements – education, experience and language skills

Education

Essential

PhD in naval architecture/marine engineering, transport operations management, logistics and supply chain management, transportation engineering or any other discipline relevant in the research on Maritime Energy Management.

Experience

Essential

- Minimum of two years experience in dealing with projects in relation to the maritime energy management, transportation/logistics sector and/or policy formulation;
- A track record in research and scholarly publication in relevant fields related to this vacancy notice;
- Experience in contributing to research projects in relation to EU framework and project managerial skills.

Desirable

- Experience in planning/organizing research projects and drafting relevant research proposals;
- Experience in organizing conferences and seminars;
- Experience in the managing/editorial activities on academic journals.

Languages

Essential

- Fluency in spoken and written English.

Desirable

- Knowledge of languages used in Baltic Sea Region or other UN official languages would be an advantage.

6. Knowledge and skills

Knowledge and skills

Essential

- Excellent communications skills.
- Ability to work independently and as part of a professional/academic team.
- Effective organizational skills to manage time, set priorities and undertake administrative tasks.
- Ability to work in a multicultural environment and to demonstrate gender-sensitive and non-discriminatory behaviour and attitudes.
- Ability to deal with administrative matters as appropriate to status and with reference to other colleagues within WMU.

These vacancies are open to male and female candidates. WMU seeks to increase the number of women at all levels and, therefore, qualified women are particularly encouraged to apply. WMU will make every effort to facilitate the employment of persons with disabilities.

Application

The position offers an attractive salary (PS-A Grade of the ICSC salary scale), free of income tax in Sweden. Applicants should send a letter of interest, a completed CV, and the contact information of three referees to Marco Batista, Head of Human Resources (mb@wmu.se).

Deadline for Applications: 28 August 2017.