

Vacancy Notice:

Post-Doctoral Fellow, WMU-Sasakawa Global Ocean Institute

Job title: Postdoctoral Fellow

Duty Station: Malmö, Sweden

Duration of contract: 12-month fixed-term appointment. The contract may be renewed for a further period subject to satisfactory performance

1. Organizational setting

The World Maritime University (WMU) is established by the International Maritime Organization. WMU's mission is to be the world centre of excellence in postgraduate maritime and ocean education, professional training and research, while building global capacity and promoting sustainable development. With the University's new strategic directions, specifically expansion of its mandate to include ocean-related matters, and strengthening ocean research, WMU is well positioned for this collaborative partnership with the Nippon Foundation.

The WMU-Sasakawa Global Ocean Institute has partnered with the DREAM (Data-driven Robotics for Environment Assessment and Monitoring) Lab at the French campus of the Georgia Institute of Technology, as well as academic, classification society and industry partners in a European Union's Horizon 2020 consortium for the BUGWRIGHT2 project: Overcoming Regulatory Barriers For Service Robotics in an Ocean Industry Context.

Funded by the H2020 Framework Programme of the European Union, WMU is offering a Postdoctoral Fellowship Programme (Programme) to support the project team, with a particular focus on overcoming regulatory barriers in relation to technologies (inspection drones, magnetic crawlers and remotely operated underwater vehicles (RoVs)) deployed in the ocean shipping domain. The main objective of this programme is to identify and address all existing regulatory barriers through interdisciplinary research that takes into account the progressive developments at the international, regional and national levels with a view to establishing the vital regulatory applications in the context of vessel hull inspection, cleaning and maintenance considering environmental problems.

2. Main purpose

The Postdoctoral Fellow will work under the supervision and guidance of the Head of Research, Principal Investigator and will undertake research assigned by the Director and Head of Research as a part of the Postdoctoral Fellowship Programme supporting the "*European Horizon 2020 BUGWRIGHT2: Overcoming Regulatory Barriers For Service Robotics in an Ocean Industry Context*", through research, education and capacity building at the GOI, hosted at the World Maritime University in Malmö, Sweden.

Interested applicants are kindly requested to familiarize themselves with the full terms of reference for programme information and thematic areas via this link here: [H2020 BUGWRIGHT2 Robotics: Terms of Reference 2020](#).

3. Duties, responsibilities

The successful candidate will be expected to demonstrate capacity for high impact, and ideally interdisciplinary research activity both within and across groups in academic and/or industry settings. The candidate must have a research profile as evidenced by publications in leading journals in the field, presentations at significant conferences on research findings and strong endorsements by referees.

At WMU, the candidate should expect to:

- Undertake and contribute to research in the fields of legal norms, standards and certification pursuant to the work undertaken by the World Maritime University under the H2020 BUGWRIGHT2 programme as per the terms of reference;
- Work closely with consortium project partners including DREAM Lab at the French campus of the Georgia Institute of Technology, as well as academic, and other intergovernmental and non-governmental bodies;
- Publish high-impact, peer-reviewed scholarly articles in collaboration with supervisor;
- Assist in the development of the Institute's research agenda;
- Perform any other tasks relating to research, education or capacity building as may be required;
- Undertake special projects and other duties as may be assigned by Director, Head of Research and Principle Investigator.

4. Minimum requirements – education, experience and language skills

Education

Essential

- The successful candidate will have a doctoral degree in any of the following fields:
 - o International & Comparative Law (pertaining to Norms, Standards and Certification)
 - o European Union Law with a focus on Regulatory Standards and Certification;
 - o Patent and Intellectual Property Law;
 - o Technology and Robotics Law; or
 - o Engineering / Computer Science / Information Technology.

Experience

Essential

- Experience in working in the higher education or related sectors in the field of standards and certification;
- A strong record of internationally recognised research and publication in relevant peer-reviewed publications;
- Demonstrated ability to use established, appropriate research methodologies and deliver critical regulatory and policy-relevant analyses;
- Familiarity with ocean-related 2030 Agenda for Sustainable Development Goals and with the United Nations proclaimed Decade of Ocean Science for Sustainable Development (2021-2030);
- Knowledge of UN institutions and other international organisations with the delivery of ocean science-related mandates, and international ocean organizations, their aims, objectives and activities.

Languages

Essential

- Language proficiency in English is essential. Applicants must be fluent in English reading, writing and speaking, and offer relevant proof of competency (such as TOEFL, IELTS and/or Cambridge Examinations or other quality proof)

Desirable

- Knowledge of another UN language would be an added advantage.
- Candidates with academic and professional experience of the conduct of marine science and/or ocean science governance would be advantageous, as well as experience with gender studies and empowerment initiatives.

Desirable Qualifications, Competencies and Professional Experience

- An understanding of International Maritime Organisation (IMO) as well as WMU and its mission, and strong commitment to the delivery of the highest practicable standards in pursuing its mandate;
- Excellent communication skills;
- Some working experience, especially at the international level and in connection with standards and certification activities;
- Good computer literacy.

5. Terms and Conditions

This scholarship is open to all eligible candidates. WMU seeks to increase the number of women at all levels and, therefore, qualified women are particularly encouraged to apply. Qualified applicants from developing countries are strongly encouraged to apply. WMU will make every effort to facilitate the employment of persons with disabilities.

Application

The position offers a monthly stipend of approximately 32,000 SEK free of income tax in Sweden and medical, life and accident insurance coverage by Cigna International.

Applicants must apply by sending their complete application including all documentation to Head of Human Resource Mr. Marco Batista on mb@wmu.se with copy to goisecretariat@wmu.se.

Following documentation shall be submitted via email with subject line **Post-Doctoral Fellowship Application_H2020 BUGWRIGHT2: Overcoming Regulatory Barriers For Service Robotics in an Ocean Industry**

1. Updated CV and [UN Personal History form P11](#)
2. A brief Statement of Purpose on how the applicant could contribute to the H2020 Bugwright2* project
3. Certified copies of degree certificates and transcripts
4. Proof of English language proficiency
5. Copy of passport (data page, only for internal record)
6. Two Academic/Professional Letters of Reference

Deadline for Applications: **18 September 2020, 23:59 CET.**