Vacancy Notice: Early stage researcher (ESR) / Research Assistant – Ph.D.

The World Maritime University was established in 1983 by the International Maritime Organization, a specialized agency of the United Nations. WMU wishes to enhance its role as a global centre of excellence for postgraduate education and research in the maritime field. WMU offers three Master of Science programs, one in Sweden and two in China, and a Ph.D. program in Maritime Affairs that offers doctoral students opportunities for research across the maritime field, from shipping & port management to maritime safety & security.

Within the frame of our Ph.D. program we are seeking to fill the position of a Research Assistant, (PhD student) for a fixed contract with a duration until of 30 September 2016.

Responsibilities

The ESR/PhD will be expected under the supervision of the principal researcher for this project and become part of the Maritime Risk and System Safety (MaRiSa) research group at WMU.

- Conduct research in the field safety and reliability with focus on risk assessment;
- Calculations of the risk of collision of ships with off-shore wind mills and wind farms;
- Development of a model for the environmental consequences of possible releases of harmful substances into the sea as a result of maritime accidents;
- Combining the use of probabilistic approaches with development and application of Bayesian networks and finite elements theories;
- Organize, perform workshops and project meetings;
- Support project administration (reporting, accountancies).

The position is connected to the Initial Training Network MARE-WINT (new MAterials and REliability in offshore WINd Turbines technology). It is a Multi-Partner project (ITN Nr. 309395), funded under the FP7 People programme of the EC (i.a. see URL: http://mare-wint.eu/). The project duration is from October 1, 2012 to September 30, 2016.

Qualifications, competencies and professional experience

The successful candidate will have:

- An academic degree qualifying you for the enrolment in a PhD program. Your background is in safety sciences, mechanical or transport engineering, naval architecture or another relevant field. The focus of your work will be related to the modelling and simulation of traffic follows, risk assessment and computer programming. Experience on board ships is of advantage. You should be able to work in an intercultural team and be able to communicate fluently in English.

Application

Applicants should send a letter of interest and a complete CV to Marco Batista, Human Resources Officer (mb@wmu.se).

Deadline for applications: 31 March 2013