

NTNU - knowledge for a better world

The Norwegian University of Science and Technology (NTNU) creates knowledge for a better world and solutions that can change everyday life.

Postdoctoral Fellow IVT 35/16

NTNU and Norwegian Marine Technology Research Institute (MARINTEK) have together established a Centre for Research-based Innovation in maritime transportation, SFI SMART Maritime <http://www.smartmaritime.no/>. An important research topic in the centre is how the performance of ships is affected by varying operational conditions, like waves and wind, steering, loading condition, hull condition etc.

The position might either focus on effective prediction of added resistance and speed loss due to waves, or it might focus on using measurement data from ships in operation as a tool for improved prediction methods and/or optimization of various aspects of the operation of the ship, like selection of speed and route, trim, propeller pitch, or autopilot control. A third option could be measurability of hull surface condition (effect of roughness and fouling). The detailed topic might to some extent be tailored to the expertise of the candidate, as long as it is related to hydrodynamics and fit with the aims of SMART Maritime.

The candidate will be part of an active research group on hydrodynamics, in a large faculty with world-class researchers. We have access to large, up-to-date hydrodynamic laboratories, as well as powerful computing cluster and CFD software.

Qualifications: PhD degree in marine hydrodynamics, fluid dynamics, aerodynamics, or another relevant field, with a topic which qualifies for research on added resistance of ships due to waves, ship performance monitoring, and/or analysis of measurements and large datasets. All applicants must be able to communicate fluently in English (in speaking and writing).

For further information, please contact Professor Sverre Steen (sverre.steen@ntnu.no).

Conditions of appointment:

The engagement period is 2 years.

Post doctors are remunerated in code 1352, in the State salary scale 57-77, gross NOK 483 700 to NOK 711 800 per annum (before tax). There will be a 2 % deduction to The Norwegian Public Service Pension Fund from gross salary.

The appointment is to be made in accordance with the regulations in force concerning State Employees and Civil Servants.

Engagement as a Postdoc is done in accordance with "Regulation concerning terms and conditions of employment for the posts of post-doctoral research fellow, research fellow, research assistant and resident", given by the Ministry of Education and Research of 19.07.2010. The engagement is to be made in accordance with the regulations in force concerning State Employees and Civil Servants. The positions adhere to the Norwegian Government's policy of balanced ethnicity, age and gender. Persons with immigrant background are encouraged to apply.

According to the new Freedom of Information Act, information concerning the applicant may be made public even if the applicant has requested not to be included in the list of applicants.

NTNU's objective is to increase the number of females in scientific positions. Female applicants are therefore encouraged to apply.

The application must contain a motivation letter, information of educational background and work experience. Certified copies of transcripts and reference letters should be enclosed.

Application with CV, diplomas, certificates and any other attachments are sent electronically and the attachments to the applications shall be gathered in one single file via <http://www.jobbnorge.no>, ref.nr. **IVT- 35/16**.

Application deadline: 11th of March 2016.

Jobbnorge-ID: 121749, Søknadsfrist: Avsluttet