

Job posting (Phy 3/2023)

The Leibniz Institute for Baltic Sea Research Warnemünde (IOW) has a temporary vacancy starting Dec 1, 2023

PhD position in the Department of Physical Oceanography

for a period of 3 years and a percentage of 75% (30h/week).

Remuneration is paid in accordance with the Tarifvertrag für den öffentlichen Dienst der Länder (TV-L , Public Sector Collective Agreement on Länder) salary scale at level 13. The position is to be filled on a flexible part-time basis.

Who are we?

The IOW is an independent research institute of the Leibniz Association for which equal opportunities, family friendliness and work-life balance are very important. Our research focus is on the coastal and marginal seas, especially the Baltic Sea. The staff of the four sections Physical Oceanography and Instrumentation, Marine Chemistry, Biological Oceanography and Marine Geology works interdisciplinary within a joint research programme.

What will be your tasks?

The PhD student will investigate Arctic estuaries and the impact of land-fast sea-ice cover on the estuarine dynamics. Specifically changes in mixing and estuarine circulation as well as their feedback to the ice cover will be investigated. The work will be carried out by numerical modelling using the General Estuarine Transport Model (GETM). Various existing analysis methods will be used for the model results and new methods will be developed by the PhD student. The work is funded by the German Research Foundation (DFG) as part of the project “Exchange flow and mixing in ice-covered estuaries” (ICEstuaries) and will be carried out in collaboration with the Alfred-Wegener-Institut, Helmholtz-Zentrum für Polar- und Meeresforschung.

What do we expect from you?

Applicants must have a master degree (at least grade “good” or comparable) in Physical Oceanography, Physics, Mathematics or a related field. A strong background in numerical modelling and numerical methods for partial differential equations is expected. Some experience with the General Estuarine Transport Model (GETM) as well as in Coastal Oceanography will be advantageous. Good knowledge of the English language and ability to work in a team are expected.

What does the IOW offer?

The IOW offers you a varied workplace in the immediate vicinity of the Baltic Sea ([Work at sea](#)) with flexible working arrangements, e.g. the possibility of working from home or remotely and a company health management. A very good infrastructure with modern laboratory and office equipment, including on our own research vessel, form the framework for the best working conditions.

How do we promote equal opportunities ?

Our job offers are aimed at all people regardless of their gender. Research benefits from a diverse working environment, which is why we have signed the Diversity Charter.

IOW aims to specifically promote women in areas where they are underrepresented. For this purpose, the institute has given itself a plan to promote equality ([plan for the equal opportunities committee at the IOW](#)) and has repeatedly been awarded the Total E-Quality award for its commitment ([website TOTAL E-QUALITY e. V.](#)) Female applicants are given preference in the case of equal qualifications and suitability, as the position belongs to a working group in which women are underrepresented. You can find an overview of our measures for equal opportunities and for improving the compatibility of work and family on our [website](#).

We give preference to applications from disabled persons with equal professional and personal suitability. Please mention the disability or equality in your letter of application and enclose a copy of the relevant certificate.

How to apply?

Please send us your application documents with cover letter, CV, copies of your certificates, description of relevant activities and experiences as well as references.

We look forward to receiving your application, quoting the keyword: **Phy 3/2023 by October 1, 2023**

to:

bewerbung.physik@io-warnemuende.de

or

Leibniz Institute for Baltic Sea Research Warnemünde

Human Resources Department

Seestraße 15

18119 Rostock

Germany

The interviews are expected to take place on Oct 18, 2023.

Unfortunately, we cannot cover your application and travel costs.

For further information, please contact:

Prof. Dr. Hans Burchard (hans.burchard@io-warnemuende.de)

