

## Job announcement (Phy-02/2018)

The Department of Physical Oceanography and Instrumentation of the Leibniz Institute for Baltic Sea Research Warnemünde (IOW) is offering from 1. July 2018 a

### Postdoc position in Theoretical Oceanography and Modelling of Oceanic Processes

Remuneration is paid in accordance with the TV-L salary scale at level EG 13 monthly gross salary. The employment is temporary until 30 June 2021. Part-time employment is possible.

IOW is an independent institute of the Leibniz Association, engaged in system analysis of coastal and marginal seas, with a special focus on the Baltic Sea. The scientists of the four departments (Physical Oceanography, Marine Chemistry, Biological Oceanography and Marine Geology) cooperate within the framework of a joint research program. We are looking for a motivated scientist to strengthen a working group investigating the coupling of physical and biogeochemical processes in upwelling areas. The work will be based on both theoretical and modelling research and field measurements. This job announcement is subject to funding of the project.

#### Job description

Within an international project addressing climate variability in the south-eastern Atlantic, the influence of extreme events like Benguela Niños on the hydrographic and ecosystem conditions in the Northern Benguela Upwelling System will be investigated. The research is based on field measurements, analysis of long term data and numerical model studies. IOW cooperates with national and international partners. The project starts 1. July 2018.

The tasks comprise (1) processing and statistical analysis of large climate data sets, (2) process studies with a numerical circulation and ecosystem model, (3) participation in field work on cruises, (4) publication of results in reviewed papers and presentation on conferences and (5) organisation of and lecturing in capacity building workshops.

#### Employment requirements

Mandatory requirements:

- University degree and excellent PhD in physics, physical oceanography or a related discipline
- Sound knowledge in the field of theoretical oceanography and numerical modelling
- Willingness for independent scientific work

- Experience in and advanced knowledge of statistical analysis of large oceanographic datasets
- Skills and experience in scientific programming in a higher programming language like Fortran
- Experience in scientific publishing
- Willingness to travel and for autonomous research stays abroad
- Very good knowledge of the English language sufficient for communication with the international project partners and publication in English journals

Meeting the following requirements is considered beneficial:

- Excellent publication record
- Experience in scientific high performance computing
- Enjoyment of work with students
- Willingness to work on research vessels
- Proven successful cooperation in research projects (ideally interdisciplinary projects)

Please feel free to contact Dr. Martin Schmidt ([martin.schmidt@io-warnemuende.de](mailto:martin.schmidt@io-warnemuende.de)) for any questions regarding this job announcement.

Applications of disabled persons will be considered preferentially if professional and personal qualifications are comparable. Please indicate your disability in your application documents, and enclose a copy of your disability certificate.

IOW promotes equal opportunities for men and women, and received in 2013 and 2016 the Total Equality (TEQ) rating for these activities. Applications of female candidates are especially encouraged, and will be considered preferentially in the case of equivalent qualification. An overview over our equal-opportunity actions may be found at:

<http://www.io-warnemuende.de/equal-opportunity.html>

The Leibniz-Institute for Baltic Sea Research offers an attractive working environment in the immediate vicinity of the Baltic Sea. The institute has a broad scientific and technical expertise in all areas of marine research, and provides ideal working conditions through state-of-the-art technical infrastructure and equipment.

Applicants should send their complete application documents (including cover letter, CV, certificates, references, and publication list) **as a single PDF** no later than **03 June 2018** to:

**[bewerbung.physik@io-warnemuende.de](mailto:bewerbung.physik@io-warnemuende.de)**

Subject: Phy-02/2018

Alternatively, the application documents can be sent by mail to the following address:

Leibniz-Institute for Baltic Sea Research Warnemünde (IOW)  
Human Resources Department  
Seestraße 15, D-18119 Warnemünde, Germany  
Keyword: Phy-02/2018

Please note that application and travel expenses cannot be covered.

For further information, please contact:

Dr. M. Schmidt, [martin.schmidt@io-warnemuende.de](mailto:martin.schmidt@io-warnemuende.de).

General information about your future place of work may be found at:

<http://www.io-warnemuende.de>

