

The School of Mathematics and Science invites applications for a

Junior Professorship (W1) »Computational Fluid Dynamics for Wind Physics«

at the Institute of Physics starting at **October 1st, 2017**.

We are seeking for a scientist with experience, documented by peer reviewed journal publications, in the development of efficient novel methods for computational fluid dynamics (CFD) and in at least one of the following fields:

- Development of methods and tools for the numerical simulation of incompressible fluids, e.g. airfoil and rotor aerodynamics
- Development of methods and tools for meso- and micro-scale atmospheric flow modelling and its coupling with CFD methods
- Development of numerical turbulence models, especially for the atmospheric boundary layer
- Research on turbulent flows.

The call is therefore aimed at young researchers with a physical, mathematical, meteorological, or an engineering degree. Applicants should hold an above-average doctoral degree related to the subject of the position. It is expected that they are capable of competently representing and extending the specific field of the professorship in research and teaching. Active collaboration with research groups in ForWind, the School of Mathematics and Science and external partners is welcome. The universities of Bremen and Oldenburg are twinned through a cooperation agreement, and the applicant will be expected to contribute actively towards this cooperation. Teaching of elementary as well as advanced lectures with four contact hours per week at the Institute of Physics in the courses Physics, Engineering Physics and European Wind Energy Master (Erasmus Mundus) is obligatory.

The formal requirements are specified by § 30 Niedersächsisches Hochschulgesetz (NHG). The initial employment as temporary civil servant or in an equally temporary engagement is for three years. After a positive evaluation, a renewal for another three years is possible.

To increase the proportion of women in science equally qualified female candidates will be given preference. Applicants with disabilities will be preferentially considered in case of equal qualification. The possibility of part-time employment is given.

Applications (including a CV, a structured list of publications including up to three copies of selected publications, a concept for future research activities, copies of academic certificates and references, a list of previously taught courses and lectures), should be addressed preferably in electronic form to the Carl von Ossietzky Universität Oldenburg, Direktor des Instituts für Physik, D-26111 Oldenburg, Germany, email physik@uni-oldenburg.de, not later than **January 15th, 2017**.