

ForWind, the Center for Wind Energy Research of the Universities of Oldenburg, Bremen and Hannover, offers at the Institute of Physics at the Carl von Ossietzky University of Oldenburg within its working group “Energy Meteorology” a position of a

Research Assistant (E13 TV-L, 70 %).

The successful applicant will work within the third party funded research project “CompactWind II”. The funding of this project job starts on January 1st, 2019 and ends on September 30th, 2021. The position is appropriate for part-time work.

It is the objective of the research project “CompactWind II” to transfer the innovative wind farm control concepts that have been developed within the previous project “CompactWind” with the aim to increase the energy yield per area to a real wind farm. Besides ForWind, a second university a sensor as well as a wind turbine manufacturer belong to the project consortium. About 10 people with background in different disciplines will be engaged in the project at ForWind.

The position that is offered here aims at finding those atmospheric parameters that influence the wake of a wind turbine. This shall be achieved by the massive application of the large-eddy simulation tool PALM. Based on the results of the large-eddy simulations a measurement concept that allows for a cost-efficient, industrially applicable determination of the identified parameter shall be developed. This concept shall then be validated in a real wind farm. Finally, the developed measurement concept as well as the wind farm control concepts developed in “CompactWind” should be brought together in the large-eddy simulation environment for identifying the control concept that will finally be tested in the real wind farm.

A prerequisite for the employment is a master/diploma degree obtained in physics, meteorology or engineering sciences at a university.

A fundamental requirement is knowledge on numerical simulations of atmospheric flows. Ideally, you have already worked with a large-eddy simulation model. Good programming skills in Fortran, C or C++ are expected. Knowledge of boundary-layer meteorology as well as the simulation of wind farm flows are of advantage. We expect very good communication skills, the capability of working in a team and good English language skills. As all reports for the funding agency have to be submitted in German language, good German language skills are of advantage.

The Carl von Ossietzky Universität Oldenburg seeks to increase the participation of women in research. Women are explicitly encouraged to apply. According to §21, Abs. 3 NHG female applicants with equal qualifications will be preferred in the selection process. Handicapped persons with equal qualification will also be favoured in the selection process.

In case of questions concerning this job offer, please contact Dr. Gerald Steinfeld, Tel. 0441/798-5073, e-mail: gerald.steinfeld@uni-oldenburg.de.

Please send your application that has to contain a motivation letter, a CV as well as certificates and that has to mention the keyword “CWII_LES” until November 30th, 2018 to ForWind – Center for Wind Energy Research, Mrs. Frauke Haunhorst, K pkersweg 70, 26129 Oldenburg, Germany. Alternatively, we are happy to receive your application by e-mail to frauke.haunhorst@uni-oldenburg.de.