

# Industrial Ph.D. position in optimization in the field of wind energy

WindSim offers wind modelling software and services. Our offers span the entire wind project life cycle from early site identification, energy optimization, site suitability, power forecasting to post construction assessment. We have a proven track record being in the global wind business for more than a decade with customers in all continents.

We have an international R&D team which creates new solutions for the upcoming demands in the industry. The main product is a wind simulation software to calculate the annual energy production of a wind farm. Originally developed as a desktop solution the software moves today over to web based platforms and cloud solutions and the original main product is used in new ways to satisfy the customer needs. New solutions and implementations must be invented, planned and realized for the international market considering the individual requirements in different countries. Computer scientists, Wind Engineers, Meteorologists and Fluid Dynamics Specialist are working together to meet customer requests.

We want to strengthen our team with an Industrial PhD student. The successful candidate will develop and prototype a wind farm optimization software based on CFD modelling. The candidate will split its working time between the company located in Tønsberg, Norway and the university in Bergen at the institute for informatics with a minimum of 1/3 of the time at one of the locations.

## Education and professional qualifications:

- A M.Sc. or equivalent degree in informatics, industrial economics, applied mathematics or similar disciplines
- Good knowledge of Fortran, C# or Matlab
- Excellent communication skills, including writing, and the ability to work in a team and individually with passion, dedication and integrity
- Good proficiency in the English language

Preference will be given to candidates with knowledge and previous experience in the wind energy field. Applications will be accepted until first of July 2018.

Interested candidates should send a complete application package (consisting of detailed CV including a list of publications, academic degree certificates and transcripts of passed exams, letter of motivation, letters of recommendation) by email to Dr. Catherine Meissner, e-mail:

[catherine.meissner@windsim.com](mailto:catherine.meissner@windsim.com).