Remote Sensing Scientist

Remote sensing of land surface processes

SANDHOLT develops new high-quality products based on satellite imagery and provides research-based advice on the use of satellite data in climate, water, agriculture, nature and the environment. Based on more than 25 years of international experience in remote sensing research and education, the company's mission is to spread the use of the latest science-based methods to ensure that the potential for using satellite data is fully utilized.

We are looking for a highly qualified remote sensing specialist to work on research and innovation projects related to moisture conditions including surface water stress, soil moisture and evapotranspiration. We are handling large amounts of satellite data, and apply process modelling tools as well as statistical analysis of data for testing and validation of our products. The remote sensing scientist will work on the integration of Synthetic Aperture Radar and Optical data from the Sentinel satellite sensors to derive new, improved satellite products over land surfaces. MOIST will for the next three years constitute the core of the work in Sandholt. MOIST is funded by Innovation Fund Denmark, and we have teamed up with leading experts from universities and research institutions in Denmark and Europe to develop an irrigation management system based on satellite data.

The remote sensing specialist will work closely with DTU SPACE and other MOIST partners. The successful candidate will be an organised and ambitious team player, with the ability to work under their own initiative.

The ideal candidate:

- Holds a degree (Masters or PhD) in applied physics or geophysics, earth observation, space technology, engineering, hydrology, applied computer science, geography or similar. Specialization in Remote Sensing of land surface processes preferable.
- Experience in working with remote sensing data
- Experience with retrieval algorithms over land surfaces an advantage;
- Proficiency in software coding is expected (Python being preferable)
- Good knowledge of statistics
- Good verbal, written and technical communication skills in English;
- Ability to work within high pressure situations;
- Ability to work independently and proactively.

Job Type: 2 years fixed term, full time, 37 hours per week. Start April 1st 2018

Location: From April 2018, Sandholt will move to a new office space in Frederiksberg, close to Copenhagen University Campus, Denmark.

How to apply: Please submit your CV and cover letter to Inge Sandholt mail@ingesandholt.dk by February 15th 2018.

More information: Please contact Inge Sandholt via e-mail, mail@ingesandholt.dk. Information about our current projects can be found on www.sandholt.eu . See also student assistant vacancy.