PhD scholarship within hyperspectral imaging and LiDAR - instrumentation and data analysis

About the position

The Faculty of Science and Technology has a vacant three year PhD-scholarship related to hyperspectral imaging and LiDAR remote sensing.

The successful candidate will join the multidisciplinary group on spectral analysis, geomatics and infrastructure. The group is working in close cooperation with NEO, a world leading manufacturer of hyperspectral cameras.

Qualification requirements, desired experiences, knowledge and personal qualities

The successful applicant must meet the conditions defined for admission to a PhD programme at NMBU. The applicant must have an academically relevant education corresponding to a five-year Norwegian degree programme, where 120 credits are at master's degree level (candidates submitting MSc thesis by 15 June 2020 may also be considered). The applicant must have a documented strong academic background from previous studies and document proficiency in both written and oral English. For more detailed information on the admission criteria please see the PhD Regulations and the relevant PhD programme description. The applicant must document expertise and interest in the research subject.

Required Academic qualifications

- MSc degree in physics, data science, geomatics, material science
- Experience with image analysis and hyperspectral imaging
- Knowledge of machine learning and deep learning algorithms
- Good scientific writing skills

The following experiences and skills will be emphasized:

- Experience in analyzing large multi-dimensional data sets
- Experience from analysis of Remote Sensing data
- Experience in GIS georeferencing of images
- Advanced computer programming skills

You need to have:

- excellent interpersonal and communication skills
- ability to focus and work independently as well as being a reliable team member
- Good knowledge of English language - both written and oral

Remuneration and further information

The position is placed in government pay scale position code 1017 PhD. Fellow. PhD. Fellows are normally placed in pay grade 54 (NOK 479.600) on the Norwegian Government salary scale upon employment and follow ordinary meriting regulations.

Terms of employment are governed by Norwegian guidelines for PhD fellowships at Universities and University Colleges.

For further information, please contact Professor Ingunn Burud

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Information for PhD applicants and general Information to applicants

Application

To apply online for this vacancy, please click on the 'Apply for this job' button above. This will route you to the University's Web Recruitment System, where you will need to register an account (if you have not already) and log in before completing the online application form.

Application deadline: 01.09.2020.

Applications should include (electronically) a letter of intent, curriculum vitae, full publication list, copies of degree certificates and transcripts of academic records (all certified), and a list of two persons who may act as references (with phone numbers and e-mail addresses). Publications should be included electronically within the application deadline. The relevant NMBU Department may require further documentation, e.g. proof of English proficiency.
The Norwegian University of Life Sciences (NMBU)

NMBU has a special responsibility for research and education that ensures the basis of life for future generations.

Sustainability is rooted in everything we do and we provide knowledge for life.

NMBU has 1700 employees and 5200 students and is organized in seven faculties. NMBU has a campus in Ås and in Oslo. In 2021 we are co-located on Ås.

Further information on NMBU is available at [www.nmbu.no](http://www.nmbu.no)

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