UNIVERSITETET I OSLO

Jobbnorge ID: 147557
Deadline: 3/5/2018
Website: http://www.uio.no/
Scope: Fulltime
Duration: Engagement

PhD position in Geological analysis of CO2 storage sites

Job description

Applications are invited for a 3-years doctoral fellowship position in “Tectonostratigraphic analysis of CO2 storage reservoirs” at the Department of Geosciences, University of Oslo, as part of the new Environment-Friendly Energy Research Centre, the Norwegian CCS Centre (NCCS). The position is assigned to the Geology and Geophysics Section, which has a considerable project portfolio financed by the Norwegian Research Council, the European Union and the petroleum industry. Education and research is undertaken in cooperation with national and international research institutions.

More about the position

The Department of Geosciences seeks a highly motivated and proactive geoscientist that can enrich and strengthen the Department in subjects related to geological analysis of CO2 storage sites. The position has particular focus on research addressing potential subsurface storage sites in the North Sea basin(s), and will focus on injection-reservoir characterization with emphasis on sedimentology, supported by structural geology and geochemistry. The work will be anchored to seismic interpretation integrated with drill-hole data from the Triassic succession in the Norwegian North Sea.

A field analogue study will complement the North Sea dataset. The field analogue target will be determined at project commencement, but will include one or more relevant sites where alluvial/fluvial strata formed in arid conditions are exposed. As the position is integrated with the NCCS (www.sintef.no/en/projects/nccs), there will also be tasks directed towards the centre’s ambitions and objectives, covering collaboration with other teams in the centre, and including the multidisciplinary UiO Energy hub and industry partners.

General requirements

The Faculty of Mathematics and Natural Sciences has a strategic ambition of being a leading research faculty. Candidates for these fellowships will be selected in accordance with this, and expected to be in the upper segment of their class with respect to academic credentials.

The purpose of the fellowship is research training leading to the successful completion of a PhD degree.

The fellowship requires admission to the PhD programme at the Faculty of Mathematics and Natural Sciences. The application to the PhD programme must be submitted to the department no later than two months after taking up the position. For more information see:

Doctoral degree and PhD

A good command of English is required

Doctoral degree: PhD in Mathematics and Natural Sciences

Qualifications

- The applicant must have a Master degree or similar education, or be able to document the upcoming date of the defence for the degree.
- It is essential for the applicant to have a background in basin studies within sedimentology preferably with insight into structural geology, and/or diagenetic analysis of siliciclastic strata.
- The applicant should have experience with seismic interpretation work and the utilization of well data. Reservoir property modelling experience (e.g. Petrel) is advantageous.
- Experience from geological fieldwork is necessary, and the candidate must be able to provide proof of a valid driver’s licence, and eligibility to travel to any country.
- Teaching and outreach experience is beneficial, and skills in both spoken and written Norwegian or Scandinavian language and/or English are required. A good command of English is required: http://www.mn.uio.no/english/research/doctoral-degree-and-career/regulations/proficiency-requirements.html

We offer

Salary NOK 436 900 - 490 900 per year, depending on qualifications and seniority as PhD Research Fellow, (position code 1017)

Attractive welfare benefits and a generous pension agreement, in addition to Oslo’s family-friendly environment with its rich opportunities for culture and outdoor activities

How to apply

The application must include:

- Cover letter. Statement of motivation and research interests
- CV (summarizing education, positions and academic work - scientific publications)
- Copies of educational certificates, transcript of records and letters of recommendation
- Documentation of English proficiency
- List of publications and academic work that the applicant wishes to be considered by the evaluation committee
- Names and contact details of 2-3 references (name, relation to candidate, e-mail and telephone number)

The application with attachments must be delivered in our electronic recruiting system, please follow the link “apply for this job”. Foreign applicants are advised to attach an explanation of their University's grading system. Please note that all documents should be in English (or a Scandinavian language).

When evaluating the application, emphasis will be given to the eventuelt “project description” and the applicant’s academic and personal prerequisites to carry out the project. Applicants may be called in for an interview.

Formal regulations

Please see the guidelines and regulations for appointments to Research Fellowships at the University of Oslo.

According to the Norwegian Freedom and Information Act (Offentleglova) information about the applicant may be included in the public applicant list, also in cases where the applicant has requested non-disclosure.

The appointment may be shortened/given a more limited scope within the framework of the applicable guidelines on account of any previous employment in academic positions.

The University of Oslo has an agreement for all employees, aiming to secure rights to research results etc.

Contact information

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For questions about the recruitment system, please contact HR Officer Helene Jansen, h.b.jansen@mn.uio.no, +47 22857196

About the University of Oslo

The University of Oslo is Norway’s oldest and highest rated institution of research and education with 28 000 students and 7000 employees. Its broad range of academic disciplines and internationally esteemed research communities make UiO an important contributor to society.

The geosciences are the studies of planet Earth; the atmosphere, the hydrosphere and cryosphere, the earth's surface and it’s interior. **The Department of Geosciences** is Norway’s widest ranging academic geoscience

research environment, encompassing four sections (Meteorology and Oceanography, Geography and Hydrology, Geology and Geophysics, Physics of Geological Processes) and one Centre of Excellence (Centre of Earth Evolution and Dynamics). In addition we participate in other centres and hold several ERC grants. The staff consists of 40 professors and associate professors, in addition to postdoctoral fellows, PhD students, researchers, technical staff and administrative personnel, to a total number of 240.

Additional information

Place of service:

Problemveien 7 0313 Oslo (Oslo Municipality)