



Jobbnorge-ID: 104061

Søknadsfrist: Closed

Nettside:

Omfang:

Varighet:

Research fellow (PhD Candidate) in Petroleum geology

At the Department of Earth Science a position as Research Fellow is available. The position is associated with ARCEX, the Research Centre for Arctic Petroleum Exploration (<http://www.arceg.no/>) and will be a part of the work package basin analysis. Supervision of the PhD candidate will be shared between UNIS, Svalbard, and University of Bergen.

The fellowship position is for a fixed term of 3 years. The fellowship period may be reduced if you have been held previously employed as a research fellow or the like.

ARCEX aims at improved knowledge of petroleum resources in northern and Arctic areas. The Research Centre for Arctic Exploration is led by University of Tromsø, funded by the Research Council of Norway. Its strength is also represented by the significant cooperation amongst the 10 academic (including University of Bergen and UNIS) and 8 industry partners.

For this project a research fellow will be hired focusing on source-to-sink and sequence stratigraphic analysis of Mesozoic depositional systems on Svalbard and in the Barents Sea (both Norwegian and Russian parts of the Barents Shelf) based on local to regional studies of sedimentary systems from exposures, seismic and well-data.

The Mesozoic in the Barents Sea is a productive petroleum system in parts of the Barents Sea, but still unexplored in vast areas. New discoveries in Triassic and Jurassic rocks in addition to a technical discovery in Cretaceous together with opening of new acreage for exploration has renewed the interest for this shelf in general and the Mesozoic succession in particular. Basic knowledge and accessibility of data is in demand and studies which ranges from regional basin analysis to prospect analysis is valuable for the industry.

The research fellow will be a part of an interdisciplinary group. Focus will be on the reconstruction of Mesozoic paleogeography through several approaches, such as:

- Source-to-sink in relation to large-scale geological events such as the erosion of the Ural mountain chain, the reorganization of the continental plate in North and spreading and closure of the Amerasian basin.
- Correlation of superregional depositional trends (including the Barents sea region, the Sverdrup basin and East Greenland).
- Increased understanding of the relation between sedimentation, erosion, preservation and time (both on highs and in basinal areas).
- Assessment of mineralogy, petrography and diagenesis as a contribution to the understanding of both provenance and time breaks.

Evaluation of provenance area, including drainage patterns, drainage area and relief and the coupling to distribution and quality of basin fill will be important. This will be combined with sedimentological and sequence stratigraphical studies to reconstruct depositional conditions as accurate as possible. The PhD study includes multidisciplinary methods in addition to field, laboratory and theoretical work necessary for the characterization of the depositional system. Visits to Russian research institutes will be considered if this of benefit for the project.

Applicants must have achieved a master's degree or equivalent in geoscience or have submitted the master's thesis for evaluation before expiry of the application deadline.

Applicants with specialization and experience in sedimentology, petrography, seismic interpretation, sequence stratigraphy and basin reconstruction/basin analysis will be prioritized. Experience with field work under Arctic conditions is an advantage.

As a research fellow you must take part in an approved study programme leading to a PhD degree to be completed within a time period of 3 years. It is there a requirement that you meet the criteria for admission to the PhD study programme at the University of Bergen.

A final plan for completion of the research programme must be approved by the faculty within three months after you have begun working in the position.

The teaching language will normally be Norwegian. However, applicants with documented excellent knowledge of English are also eligible, regardless of knowledge of Norwegian.

For further information about the position please contact Professor William Helland-Hansen (william.helland-hansen@geo.uib.no) or Professor Snorre Olaussen (snorre.olaussen@unis.no).

Starting salary on grade 50 (code 1017/pay framework 20.8) in the Civil Service pay grade table; currently NOK 421,100 gross p.a.; following ordinary meriting regulations.

The successful applicant must comply with the guidelines that apply to the position at any time.

State employment shall reflect the diversity of the Norwegian society to the greatest extent possible. Age and gender balance among employees is therefore a goal. It is also a goal to recruit employees of various immigrant backgrounds as well as persons with disabilities. We encourage persons with an immigrant background and persons with disabilities to apply for the position.

The University of Bergen adheres the principles of public access to information when recruiting academic staff.

Information about applicants may be made public even though the applicant has requested to remain anonymous. The applicant will be notified if his/her request must be refused.

The application must contain a CV, relevant certificates, diplomas and transcripts for both bachelor's and master's degrees, or official confirmation that your master's thesis has been submitted as well as two academic references (at least one of which should be from the awarding master's university) and support documentation, by clicking on the button marked "APPLY FOR THIS JOB" on this page.

The application should include a brief statement of research interests and motivation, and the names and contact details of at least two referees.

If your diploma, grade transcripts and other documentation are in a language other than a Scandinavian language or English, you must upload certified translations of these.

Closing date for applications: 15 august 2014

Tilleggsinformasjon

Arbeidssted: