Jobbnorge-ID: 155723
Søknadsfrist: Closed
Nettside:
Omfang:
Varighet:

Research fellow in Tracer Technology

The University of Stavanger invites applications for a PhD fellowship in Tracer Technology based on nanoparticles at the Faculty of Natural Sciences and Technology, Department of Energy Resources. The position is attached to The National IOR Centre of Norway.

This is a trainee position that will give promising researchers an opportunity for academic development leading to a doctoral degree.

The appointment is for three years with research duties exclusively. The position is vacant from September 2018.

The PhD candidate will focus on development of nanoparticle tracers for petroleum reservoir studies. Nanotechnology has become an important "new" area of study within different scientific and technical disciplines, so also within the oil and gas sector. In this project we will exclusively limit the activity to the possible application of using nanoparticles as tracers for:

1. Detection of high-permeability streaks (i.e. fractures) in regions between injection and production wells which act as thief-zones for injection water, and which are targets for conformance control (deep diversion using polymer/nanogel/bright water).
2. Detection of residual (or remaining) oil saturation, as target for EOR method implementation, in single-well studies where a new concept of using functionalized nanoparticles as carriers for tracers will be used.

The position is funded by the Norwegian Ministry of Education and Research.

Applicants must have a strong academic background with a five-year master degree within chemistry or chemical-based nanotechnology, preferably acquired recently; or possess corresponding qualifications that could provide a basis for successfully completing a doctorate. Both the grade for the master's thesis and the weighted average grade of the master's degree must individually be equivalent to or better than a B grade.

In evaluating the applicants, emphasis will be placed on their potential for research in the field.

The appointee must be able to work independently and as a member of a team, be creative and innovative.

The research fellow must have a good command of both oral and written English.

The resulting PhD degree will qualify for research and teaching positions at University level.

The appointee will be based at Institute for Energy Technology (IFE) at Kjeller which is one of the research partners in the IOR-Centre, with the exception of a stay abroad at a relevant centre of research.

The salary for this position is set according to the State Salary Code, l.pl 17.515, code 1017, NOK449 400 per annum.The position provides an automatic membership in the Norwegian Public Service Pension Fund, which guarantees favorable retirement benefits.

Project description and further information about the position can be obtained from: Research Manager Tor Bjørnstad, telephone: +47 908 38 408 , email tor.bjornstad@ife.no or from Head of Department Sissel O. Viig, telephone: +47 971 93 216 , email: sissel.opsahl.viig@ife.no. Information about the appointment procedures can be obtained from HR advisor Margot A. Treen, telephone 51831419, e-mail margot.treen@uis.no.

The University is committed to a policy of equal opportunity in its employment practices. The University currently employs few female research fellows within this academic field and women are therefore particularly encouraged to apply.

Please register your application in an electronic form at jobbnorge.no. Relevant education and experience must be registered in the form. Certificates/diplomas, references, list of publications and other documentation that you consider relevant, should be submitted as attachments to the application as separate files. The documentation must be available either in a Scandinavian language or in English. If the attachments exceed 30 MB altogether, they will have to be compressed before upload.

Tilleggsinformasjon

Arbeidssted: