

Jobbnorge-ID: 75824

Søknadsfrist: Closed

Nettside:

Omfang:

Varighet:

Post doctor within electrical machines, NTNU

At the Norwegian University of Science and Technology (NTNU) in Trondheim, Department of Electric Power Engineering, there is one vacant Post Doc position within "use of ferrofluids in tubular electrical machines". The position is available immediately.

The appointment is made for up to two years.

The post doctor position is organized in the Electric Power Systems Group at the Department of Electric Power Engineering.

<http://www.ntnu.no/elkraft/energiomforming>

The main task for the post doctor fellow is to investigate how ferrofluids can be used in tubular electrical free piston machines to improve electric performance while functioning as a lubricant and gas-tight seal. The work should be theoretical, but also include practical verification.

There are no known publications on this particular topic, so there should be ample opportunities for numerous publications in renowned journals for the right candidate.

The project is in cooperation with Resonator AS, and financed by the company STATOIL.

Work will be located to NTNU, Dept. of Electric Power Engineering in Trondheim and to the offices of Resonator AS at Billingstad in Asker.

About Resonator AS

Resonator AS is a small R&D company developing electromechanical tubular free piston machines and generators. The patented technology makes use of gas springs and permanent magnet electrical machine technology to design and build high frequency and high-power machines for a range of applications in oil and gas, geothermal drilling as well as other fields.

Please see www.resonator.no for more information.

For further information, please contact:

- NTNU: Professor Robert Nilssen, E-mail: robert.nilssen@elkraft.ntnu.no
- Resonator AS: Christopher Grinde, E-mail: christopher.grinde@resonator.no
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The position is remunerated according to salary code 1352, entry salary level 57-76 on the Norwegian State salary scale. This amounts to an annual gross salary of NOK 456 100 - 654 800 (1 NOK ~ 0.125 EUR), of which 2 % is deducted for the Norwegian Public Service Pension Fund. Salary will be subject to agreement with your employer.

The successful applicant must agree to the conditions laid down for public employees. The national labour force must reflect the composition of the population to the greatest possible extent. It is therefore a major political objective to achieve a balance of age and gender and to recruit persons with an immigrant background. Immigrants are encouraged to apply for this post. NTNU wants to increase the proportion of women in its scientific posts. Women are encouraged to apply.

The application must contain information about education, examinations and previous experience. Certified copies of certificates and documents must be attached.

Copies of publications and any other work which the applicant wishes to be taken into account should also be enclosed. Joint works will be considered. If it is difficult to specify the input of the applicant in a joint work, a short summary should be attached outlining the applicant's input.

Applications, inclusive CV, grade transcripts and other enclosures should be sent, in one file, electronically through this page (Apply for this position).

Ref. no. IME-025/11.

Application deadline: 2011-07-01

Tilleggsinformasjon

Arbeidssted: