

Jobbnorge ID: 187460
Deadline: 7/31/2020
Website: <http://www.uis.no/>
Scope: Fulltime
Duration: Permanent

Associate Professor in

Associate Professor in Energy Technologies

About the position

The University of Stavanger is looking for an Associate Professor in Energy Technologies

The expanding need for sustainable energy, as well as the environmental concerns of conventional energy generation and utilization technologies at a global level require significant innovation and highly qualified personnel in energy systems engineering. This is creating a worldwide demand for educational training at both undergraduate and graduate levels in areas related to the energy industry, and more specifically in energy systems. Development of more sustainable technologies requires research and innovation to achieve energy production and utilization that is financially viable, readily available and environmentally benign. It addresses the complexity and required expertise in several technical disciplines by the industry.

The responsibilities of the position include:

- Contribute to teaching at the department such as Advanced Energy Conversion Technologies, Applied Thermodynamics, Fundamentals of Energy Systems, Energy and the Environment, Thermal Power Plants, Energy Economics and Policy, Geothermal Energy Generation and Utilization Systems, and Energy Storage at the bachelor's, master's and PhD level.
- Conduct research and PhD/master/bachelor's student supervision in the area of Sustainable Energy Systems Engineering
- Play a collaborative role in research-based education and research-based project development related to the research field together with the existing staff at IEP.
- Participate in the research, education and other relevant academic activities at the department

The development/use of digital and diverse learning methods, innovation, value creation based on results from research, and academic development work, will be included in the position.

The [general job description](#) gives a more detailed account of the subject area and relevant duties for associate professors.

Academic community

The position is organisationally affiliated to the Faculty of Science and Technology, Department of Energy and Petroleum Engineering (IEP).

The Energy group at IEP is a very active group and is well recognized nationally and internationally with several internationally funded projects and a strong international network. The Energy group is also lead of a local initiative, "program are for geothermal energy", aiming at taking advantage of the synergies between the competence pool in energy system modeling and analysis on one hand and the strong petroleum competence, especially drilling and well construction on the other hand. Currently the energy group consists of a full professor, an associate professor, 3 PostDocs and 7 PhD students.

The Energy Group is aiming at developing transformative and innovative solutions to the energy demand and environmental problems by taking a systems approach to achieve high efficiency and low environmental impacts.

The primary aim of this position is to strengthen the energy research and education at IEP, with special focus on external funding for research projects from available national and European research funding schemes.

Qualification requirements

We are seeking an Associate Professor with a PhD or equivalent qualification in Energy Systems Engineering, or similar in the area of Energy Technology. We are particularly interested in receiving applications from strong candidates who are in early stages of their career with a proven research record in the multidisciplinary areas of Low Emissions Energy Conversion and Production Systems, Energy Systems Integration and Performance Analysis, Hydrogen Production and Utilization, Gas Turbine-based Systems Studies, Carbon Capture and Utilization Technologies, Energy System Modeling, Energy Efficiency Improvement Techniques and Energy Economics.

As the core research and education areas at the Department are Energy Technology, Drilling, Well Construction and Production, candidates with additional specialization than those listed above such as energy generation and utilization aspects of deep and shallow geothermal energy resources that can play as a bridging role between the Energy Group and other Research Groups of the Department will be evaluated positively. Relevant knowledge and experience within the field of energy and environment and corresponding global challenges such as climate change issue will be also evaluated positively.

Emphasis will be given to the applicants' proven ability to contribute to the development of external sources of funding in the Energy Research group. The candidates are strongly encouraged to present their research-based project management/coordination, collaboration and networking skills and their proven experience from performing internationally/nationally funded projects (through schemes such as EU FP7 or Horizon 2020 and programs of Research Council of Norway). Further emphasis will be given to the applicants, who has implemented theoretical and practical aspect of Energy Systems Engineering with industry partners or has industrial experience relevant for the projects and the research activities at the Department.

Experience from national and international advisory board or scientific evaluation committees of research and development projects is also considered positively.

You must be able to document pedagogical and didactic skills relating to higher education, and basic skills in planning, evaluation and development of teaching and supervision. If you do not meet the competence requirement you must complete a university pedagogy course within a period of two years of the appointment start date. The course will be provided by the university.

The working and teaching languages are Norwegian and English. If you do not have a good command of Norwegian or another Scandinavian language, you must acquire Norwegian language skills equivalent to level B2 within a period of three years from the appointment start date. If required, you will be offered a Norwegian course paid for by the university.

In the absence of applicants with sufficient scientific expertise, the university may consider temporarily designating an appointee for up to three years, during which time he/she will endeavour to gain the qualifications necessary for a permanent position. The applicant must be capable of gaining the necessary qualifications during the period of employment.

The following attributes are also desirable

- ability to inspire colleagues with regard to research and educational development
- research results published in recognised Norwegian and/or international publications, and references indicating progression in research and publications
- a reflective and conscientious attitude towards your own teaching and supervision
- ability to involve and engage students in teaching where the course's objectives, content and assessment situations are closely interlinked
- experience and/or interest in the development of varied learning methods and digital tools in teaching
- experience of partnerships with businesses
- experience with relevant international research networks and the ability to build and nurture networks -regionally, nationally and internationally
- experience with innovation and the commercialisation of research
- ability to manage a heavy workload, inquisitiveness, and motivation to develop new knowledge in collaboration with others
- good teamwork and communication skills, and ability to contribute to a constructive working environment

We offer

- varied duties in a large, exciting and socially important organisation
- an ambitious work community which is developing rapidly. We strive to include employees at all levels in strategic decisions and promote an informal atmosphere with a flat organisational structure.
- colleague-based guidance programme during your first year of teaching at UiS, NyTi.
- salary in accordance with the State Salary Scale, l.pl 17.510, code 1011, NOK gross per year. A higher salary may be considered in special cases.
- automatic membership in the [Norwegian Public Service Pension Fund](#), which provides favourable insurance- and retirement benefits.
- favourable membership terms at a gym and at the company sports club
- employment with an Inclusive Workplace organisation which is committed to reducing sick leave, increasing the proportion of employees with reduced working capacity, and increasing the number of professionally active seniors
- [Home-job-home](#), discounted public transport to and from work
- as an employee in Norway, you will have access to an optimal health service, as well as good pensions, generous maternity/paternity leave, and a competitive salary. Nursery places are guaranteed and reasonably priced
- [relocation programme](#) in event of moving to Norway, including support and language courses for spouses

General information

Your application will be assessed by an expert committee. In the expert assessment, emphasis will be placed on submitted scientific works and documented teaching competence. The committee will also assess your experience with popularisation/dissemination activities, university politics and administration, and any other documented qualifications relevant to the position.

If you do not satisfy key parts of the qualification requirements, you may have your application rejected before applications are submitted to the expert committee for assessment.

Based on the expert committee's statement, relevant applicants will be invited to an interview and a teaching demonstration before any recommendations are made.

The university aims to recruit more women into professor positions; thus, if several applicants are considered to have equal qualifications, a woman will be given priority over a man.

It is a prerequisite that the appointee has a residence which enables him or her to be present at/available to the academic community during ordinary working hours.

The position has been announced in both Norwegian and English. In the case of differences of opinion between the texts, the Norwegian text shall be decisive.

Contact information

More information on the position can be obtained from Professor Mohsen Assadi, tel: +4751832010, e-mail: Mohsen.assadi@uis.no or Head of Department Øystein Arild, tel: +4747672710, e-mail: oystein.arild@uis.no.

Information about the appointment procedure can be obtained from HR-advisor Margot A. Treen, tel: +4751831419, e-mail rekruttering@uis.no.

Application

Apply for the position online via the "Apply for the position" link on this page. Here you can submit your application and CV with relevant education and experience.

The following documents must be uploaded as attachments to your application in separate files:

- relevant certificates and references.
- complete list of scientific work
- up to 10 works which document your teaching and educational competence; see [Guidelines for the Assessment of Teaching Skills](#).
- up to 10 scientific works which are pivotal to your research output, including your PhD thesis
- documentation of other relevant activities concerning the position requirements

The documentation must be available in either a Scandinavian language or in English. If the total size of the attachments exceeds 30 MB, they must be compressed before upload. Information and documentation to be taken into account in the assessment must be submitted within the application deadline.

Please note that information on applicants may be published even if the applicant has requested not to be included in the official list of applicants - see [Section 25 of the Freedom of Information Act](#).

UiS only considers applications and attachments registered in JobbNorge.

UiS - challenge the well-known and explore the unknown

The University of Stavanger (UiS) has about 12,000 students and 1,800 employees. The University is located in the third largest urban region in Norway, with a dynamic labor market and exciting cultural and leisure activities. We are the only Norwegian member of the European Consortium of Innovative Universities. The university has high ambitions. We will be a driving force in the development of knowledge in the region, and an international research university with an emphasis on innovation. Together with our staff and students, we will challenge the well-known and explore the unknown.

Department of Energy and Petroleum Engineering is part of the Faculty of Science and Technology. The department carries out research and offers study programs at all levels in Drilling Technology, Natural Gas Technology, Petroleum Engineering and Energy Technology. The department has established close research collaboration with the Norwegian Research Centre AS (NORCE) and the oil industry. The department focuses on internationalization, with development of English lingual study programs and high mobility among academic staff and students. There are currently 90 employees including research fellows and postdocs, and 750 students at the department.

Additional information

Place of service:

Ullandhaug 4036 Stavanger (Stavanger Municipality)