

**Jobbnorge-ID:** 150216

**Søknadsfrist:** Avsluttet

**Nettside:**

**Omfang:**

**Varighet:**

## Postdoctoral Fellow in Piezoelectric Microactuators

Department of Microsystems has a vacancy for a position as Postdoctoral Fellow in microsystems technology.

The position is with the Department of Microsystems and the Postdoctoral Fellow reports to the Head of Department. The place of employment is Campus Vestfold in Horten.

### Qualifications

Applicants must have a Norwegian doctorate or equivalent education abroad in microsystem technology. The applicant must have gained the degree within the application deadline.

We are looking for a candidate with strong background in piezoelectric devices. In particular we need a person skilled in theory and modelling of piezoelectric MEMS devices and with some experience in experimental characterisation of such devices. The emphasis is on piezoelectric transducers such as actuators for optical applications.

The research will be conducted within a project team and the candidate's ability to work in a such team will be assessed. The candidate is expected to have good communication skills in both oral and written English. Personal suitability for the position will be emphasized.

### Information about the position

The position is within a project on piezoelectric devices funded by the Research Council of Norway and has industry collaboration. The main challenge is to understand better how to design and operate actuators for imaging applications. A major task is to investigate new transducer structures with complicated drive electrodes and develop static and dynamic models based on analytic treatments and multiphysics finite element calculations. Experimental verification/falsification is also part of the work. The Postdoctoral Fellow is expected to contribute in supporting more junior members of the project team.

The appointment is for a term of two years.

For further information concerning the position, please contact Professor Einar Halvorsen (email: [Einar.Halvorsen@usn.no](mailto:Einar.Halvorsen@usn.no) / phone: +47 31009318) at the Department of Microsystems.

### We offer

- A professionally stimulating working environment.
- Good opportunities to develop your career and your academic skills
- A good social environment
- Attractive welfare benefits in the [State Pension Plan](#)

### Salary

Postdoctoral fellow (postdoktor) (code 1352): NOK 508 800 - 650 200 a year, depending on seniority. A statutory contribution will be made from the employee's salary to the state pension plan.

### Additional information

The Academic Appointments Board is responsible for appointments to academic positions at University College of Southeast Norway. An expert assessment of applicants will be carried out. Short-listed candidates will be called in for interviews and must be prepared to present and discuss the project.

The successful applicant must comply with the laws, regulations and agreements that apply to the position.

It is an aim of personnel policy that the academic staff of University College of Southeast Norway should reflect the composition of the general population. It is therefore a personnel policy objective to achieve a balanced age and gender composition on the faculty and to recruit people from ethnic minority backgrounds. People from ethnic minority backgrounds are encouraged to apply for the position.

There are few women employed in research positions at the Department, and consequently women are especially encouraged to apply.

According to the Norwegian Freedom of Information act § 25 2 paragraph, information about the applicant may be included in the public applicant list, even though the applicant has requested non-disclosure. The applicant will be informed if his/her request has been declined.

### How to apply

University College of Southeast Norway uses online applications. We therefore ask applicants to register their application and CV online by clicking on the "Send application" link to the right. The application must include the following documents:

1. Certified diplomas and certificates from university college/university
2. PhD thesis
3. Any scientific publications and a list of these

4. Three references (contact information)

Please note that all documents must be translated into English or a Scandinavian language by an authorized translator.

## **Tilleggsinformasjon**

**Arbeidssted:**