

## Assistant Professor

Ecole/Institution/Société:

**University of Southern Denmark, Denmark / Odense**

Discipline:

**Signal Processing**

Type d'emploi::

**Full-time**

Date de publication:

**2025-02-23**

Personne à contacter:

**If you wish to apply for this position, please specify that you saw it on AKATECH.tech**

Assistant Professor in Power Engineering

### Job Description

We are seeking for an innovative and visionary Assistant Professor in the field of Power Engineering with strong interest in industrial applications and cooperation for the campus in Sønderborg.

The application deadline is March 6, 2025, at 11.59 PM/23.59 (CET/CEST)

The Centre for Industrial Electronics has currently approximately 30 faculty members including senior (full and associate professors), junior (assistant professors and Post Docs), PhDs and support staff. The position involves research, professional development, research education, teaching, including exams, supervision, and assessment work. A candidate will be expected to teach and supervise PhD students and undergraduate students, as well as to maintain and develop national and international contacts and secure appropriate research funding. On this basis, we strive for unique and excellent value in research, innovation, and education.

### Job description

Conducting research in the field of electrical engineering with a focus on control of microgrids

Planning, execution, and documentation of projects with industrial partners.

Publishing and presenting research outputs at international conferences and in scientific journals with high impact.

Establishing and running industrial collaborations with leading actors in the field.

Teaching in the field of electrical engineering

Supervision of PhD, Master, and Bachelor students

Profile and requirements

You have a PhD degree in Electrical Engineering or related fields.

You have published in high-impact conferences and journals in the field.

You are interested in a longer-term commitment to a growing research group, and you are willing to work in close cooperation with industry.

You are fluent in English, both spoken and written.

A track record in participating in national and/or European research projects is a plus.

You are a team player and have strong communication skills.

You have experience in one or more of the following fields:

1. Power management of microgrids
2. Advanced control methods for AC, DC, and hybrid AC/DC microgrids
3. Decentralized, centralized, and hierarchical control methods
4. Simulation of converter-dominant systems in MATLAB, PSIM, and PLECS
5. Voltage balancing circuits of supercapacitors

Please note: the Lecturer Training Programme (an individually planned in-service teacher training programme for university teachers) is mandatory for newly appointed assistant professors at SDU. The Lecturer Training Programme is also offered to associate or full professors who do not have any university training education. If an applicant completed a course similar to the Lecturer Training Programme, it is possible to apply for an exemption from the programme

Further information is available from Professor Thomas Ebel, Head of CIE, phone: +45 93 50 72 05, email: [ebel@sdu.dk](mailto:ebel@sdu.dk) , Associate Professor Mohammad Sadegh Golsorkhi phone: +45 65 50 75 29, email: [golsor@sdu.dk](mailto:golsor@sdu.dk) .

If you experience technical problems, please contact [hcm-support@sdu.dk](mailto:hcm-support@sdu.dk).

## Conditions of employment

Appointment as assistant professor is temporary and for an initial 3-year period.

The preferred starting date is from June 1, 2025, and will be agreed upon with the successful candidate.

The successful applicant will be employed in accordance with the agreement between the Ministry of Finance and the Danish Confederation of Professional Associations. Further information on salary and taxation.

The person employed in the position may, based on a specific individual managerial assessment, be exempted from time registration, also known as a self-organiser.

Employment as assistant professor requires scientific qualifications at PhD level at the time of employment.

## Assessment and selection process

Read about the Assessment and selection process .

Applications will be assessed by an assessment committee. Shortlisting may be applied. Only shortlisted candidates will receive a written assessment. Read about shortlisting at SDU.

Interviews and tests may be part of the process.

## Application procedure

Applicants are advised to read the SDU information on how to apply and specific faculty information for application at the Faculty of Engineering.

Assessment of the candidates is based on the application material. Please include the following documents in English:

Motivated application.

Curriculum Vitae.

Certificates/Diplomas (master's and PhD degree) – Danish and/or English.

Complete list of publications.

Publications most relevant for the position. Please attach as one PDF-file for each publication (only full text publications ([i.e.](#) no links) can form the basis for assessment of the application).

Summary of experience in teaching. Please attach as Teaching Portfolio .

The application may also include:

List of supervised projects and acquired third party funding, if any.

References

Documentation of other qualifications with relevance to the position.

UPLOAD GUIDE: Motivated application shall be uploaded as 'Cover letter', Curriculum Vitae shall be uploaded as 'Resume'. All other documents shall be uploaded as 'Miscellaneous documents'.

Documents must not contain a CPR number (civil registration number) – in this case, the CPR number must be crossed out.

The application and CV must not exceed 10 MB.

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The University of Southern Denmark wishes to reflect the surrounding community and therefore encourages everyone, regardless of personal background, to apply for the position.

Further information for international applicants about entering and working in Denmark. You may also visit [WorkinDenmark](#) for additional information.

Further information about The Faculty of Engineering.

## About Us

The University of Southern Denmark was established to create value for and with society. Whether our contributions come in the form of excellent research, innovative solutions, education or learning, we must make a positive difference to society and contribute to a sustainable future. We do this by cultivating talents and creating the best environments for research and learning. It is therefore crucial that SDU retains, develops and recruits talent. At the same time, we need to ensure consistently high quality in all our activities – and we can only do that with the right people. The University's researchers, lecturers, students, managers and technical/administrative staff are the foundation of our success.

[Read about SDU](#)

## Job Info

Job Identification 2518

Job Category VIP

Posting Date 02/06/2025, 09:02 AM

Locations Alsion 2, Sønderborg, 6400, DK

Apply Before 03/06/2025, 05:59 PM

Job Schedule Full time

Personne à contacter:

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