

The University of Agder has more than 1400 employees and 13 000 students. This makes us one of the largest workplaces in Southern Norway. Our staff research, teach and disseminate knowledge from a variety of academic fields. Co-creation of knowledge is our common vision. We offer a broad range of study programmes in many fields. We are situated at two modern campuses in Kristiansand and Grimstad respectively.

We are an open and inclusive university marked by a culture of cooperation. The aim of the university is to further develop education and research at a high international level.

Post Doctoral Research Fellow in ICT - Machine Learning for Time Series Modelling

The University of Agder invites applications for a full-time, fixed-term appointment as a Post Doctoral Research Fellow in Information and Communication Technology for a period of two years. The position is currently located in Grimstad, Norway. The starting date is as soon as possible or to be negotiated with the Faculty.

[The Department of ICT](#) has three large and active research groups in Information and Communication Technology, including eight Professors, 20 Associate Professors/Assistant Professors and about 20 Research Fellows on the PhD programme in ICT. The Department of ICT pursues a variety of research interests, focusing especially on ICT and crisis management, artificial intelligence, eLearning and eHealth. The department has successfully led a number of large research projects funded by the Research Council of Norway, the EU research programmes FP7 and H2020 as well as national and international industries.

This open position is associated with the [Centre for Artificial Intelligence Research](#)

The aim of the postdoctoral research fellowship is to advance the state-of-the-art in machine learning techniques for time series modelling, classification and prediction. The work can either focus on fundamental issues such as novel learning algorithms and knowledge representation, or on applications such as health care, energy, safety and security, fraud detection, astronomy, human-computer interaction, bioconservation and others depending on the successful candidate's interests and experience.

More about [working at UiA](#).

Research topics

Research topics for the post doctoral research fellow include, but are not limited to the following:

- Machine learning methods (e.g. LSTM) for time series modelling
- Recurrent neural networks and reinforcement learning
- Application of machine learning methods to real-world time series
- Extraction of knowledge from trained neural networks

The ideal candidate will have expertise in the following areas:

- Recurrent neural networks
- Reinforcement learning
- One or more application areas of time series, modelling, classification and prediction

Admission requirements

The successful applicant should hold a PhD in a related field (e.g. machine learning, artificial intelligence, data mining). To be considered for the position, applicants must have an approved PhD thesis by the closing date of the announcement.

Further provisions relating to the position as Post-doctoral Research Fellow can be found in the [Regulations Concerning Terms and Conditions of Employment for the Post of Post-doctoral Research Fellow, Research Fellow, Research Assistant, and Resident](#).

Furthermore, the applicant must have:

- Relevant academic credentials
- Written and spoken English proficiency
- Communication and teamwork skills.

Personal suitability, good teamwork skills, inventiveness, and a proactive approach will be emphasised in the evaluation as well as relevant practical experience. The Post-Doctoral Research Fellow will be expected to contribute to an active research community that promotes the personal and professional growth of the post-doctoral candidate. The position places great demands on the applicant's capacity for independent goal-oriented work, ability to concentrate and attention to detail.

Remuneration

The position is remunerated according to the State salary scale 17.510, code 1352 Post Doctoral Research Fellow, salary NOK 544 400-658 300 gross per year. A 2 % compulsory pension contribution to the Norwegian Public Service Pension Fund is deducted from the pay according to current statutory provisions.

The Norwegian public service is committed to reflecting the diversity of society, and the personnel policy of the University of Agder aims to achieve a balanced workforce. All qualified persons are therefore encouraged to apply for the position, irrespective of cultural background, gender, age or disability.

Women are especially encouraged to apply.

The appointment is made by the University of Agder's Appointments Committee for Teaching and Research Positions. The successful applicant will have rights and obligations in accordance with the current regulations for the public service.

Application

Applicants must submit their application and CV online. Please click on the link "**Apply for this job**". The following documentation should be uploaded as an attachment with the online application:

- CV with a complete list of scientific publications
- Doctoral thesis or link
- Up to five representative publications or links
- A description of the applicant's research interests, the relevance of his/her expertise to the advertised position and a preliminary work plan

Original documents must be presented for verification to the University of Agder together with the copies by the appointed research fellow upon arrival at UiA. Successful candidates will be asked, normally during the interview, to ensure that the issuing university submits documents in a sealed envelope directly to UiA or provide access to their documents online, which allows UiA to verify the authenticity of these electronic documents via a secure website hosted at the issuing university (contact person at UiA will be provided later for certain candidates).

The applicant is fully responsible for submitting complete documentation within the deadline. Without complete documentation we cannot, unfortunately, include you in the assessment process.

All documentation of education must be in the original language and in English, and the translation should preferably be from the issuing university. Additional documentation must be in English.

Closing date: 31.03.19

For further information, please contact Professor Christian Omlin, tel. +47 [37 23 32 06](tel:+4737233206), e-mail christian.omlin@uia.no or Head of Department Folke Haugland, tel. +47 37 23 32 20, e-mail folke.haugland@uia.no.

In accordance with §25(2) of the Freedom of Information Act, applicants may request that they are not identified on the open list of applicants. The University, however, reserves the right to publish the name of applicants. Applicants will be notified in case the University intends to exercise this right.

Jobbnorge ID: 162221, Deadline: The application deadline has passed