PhD Research Fellow in ICT - Specialization in "eHealth", "Integration of Personal Health Data in Augmented Video Consultation"

About the position

A 100 % position is available at the University of Agder, Faculty of Engineering and Science as a PhD Research Fellow in “eHealth”, affiliated to the Department of Information and Communication Technology, for a period of three years. The position is located, at the present, at Campus Grimstad. The starting date is negotiable with the Faculty.

This position is related to the Centre for eHealth, whose vision is to do human-centered research close to healthcare practises and the design and development of technologies and healthcare solutions with high quality. The project will be carried within a multi-disciplinary research team with several PhD-students addressing the the current strong e-health trend of increased availability and utilization of “Person Healthcare Data” from the perspectives of the different research disciplines.

Responsibilities

The research should focus on enhanced telehealth and telecare services, which allow video consultations of patients in physically distant location from the care providers (which can be relatives, nurses, general practitioners, healthcare specialists, etc.). The service solution should support the integration of various types of "patient generated data" in real-time in the video consultation, and should allow the involvement of a team of multiple distributed care providers.

The design research should consider in particular:

- The collection, transmission, provision and integration of "patient generated data", including for example physiological health data measured with sensor devices, digital images, video sequences, questionnaire responses etc. from the point of care
- The specific support needs of different patient groups, and potentially patients with multiple morbidities
- Automatic decision support mechanisms for the patient and the different involved healthcare service providers
- Augmentation technologies to integrate the patient generated data efficiently in real-time in the consultation session
- Usability, accessibility and usefulness of the human-computer interaction, including the design and evaluation of user-centred designed user interface/s
- Security and privacy protection of the patients' personal data, under the consideration of the collaboration of healthcare teams of multiple experts in the online consultation

Furthermore, the individual usability needs and preferences of all participants in the video consultation have to be considered, by following a human-centered design approach. Here the multi-disciplinary organization of the eHealth Center at UiA shall be utilized for the design, development, test and evaluation of the target solution.

Required qualifications

- Master’s degree in a relevant area of study, such as computer science, information and communication technology, health informatics based on a bachelor in computer science, information and computer technology, or similar. Applicants who are in the process of finishing their master’s thesis are also welcome to apply for this position.
- English proficiency, both written and oral. Please check this website to see if an English test is required.

A prerequisite for employment is that the candidate is to be admitted to UiA’s PhD programme at the Faculty of Engineering and Science, specialisation in Information and Communication Technology.

Further provisions relating to the positions as PhD Research Fellows 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.

Desired qualifications

- Knowledge of Norwegian or a Scandinavian language

Personal qualities

The appointee must have the ability to work in a goal-oriented, organised, focused and independent manner. During the assessment process, emphasis will be placed on the applicant’s examination results as well as any previous research and development work. Relevant practical experience, personal suitability and good teamwork skills will also be considered.

Personal qualities and suitability for the position will be emphasised.
We offer

- Professional development in a large, exciting and socially influential organisation
- A positive, inclusive and diverse working environment
- Modern facilities and a comprehensive set of welfare offers
- Membership of the Norwegian Public Service Pension Fund

More about working at UiA.

The position is remunerated according to the State Salary Scale, salary plan 17.515, code 1017 PhD Research Fellow, NOK 479 600 gross salary per year. A compulsory pension contribution to the Norwegian Public Service Pension Fund is deducted from the pay according to current statutory provisions.

General information

A good working environment is characterised by its diversity. We therefore encourage all qualified candidates to apply for the position, irrespective of gender, age, disability or cultural background. The University of Agder is an IW (Inclusive Workplace).

Women are strongly encouraged to apply for the position.

The successful applicant will have rights and obligations in accordance with the current regulations for the position, and organisational changes and changes in the duties and responsibilities of the position must be expected. The engagement is to be made in accordance with the regulations in force concerning the acts relating to Control of the Export of Strategic Goods, Services and Technology. Appointment is made by the University of Agder’s Appointments Committee for Teaching and Research Positions.

Short-listed applicants will be invited for interviews. With the applicant’s permission, UiA will also conduct a reference check before appointment. Read more about the employment process.

In accordance with the Freedom of Information Act § 25 (2), applicants may request that they are not identified in the open list of applicants. The University, however, reserves the right to publish the names of applicants. Applicants will be advised of the University’s intention to exercise this right.

Application

The application and any necessary information about education and experience (including diplomas and certificates) are to be sent electronically. Use the link "Apply for this job".

The following documentation must be uploaded electronically:

- Certificates (with grades) and Diploma
- Updated CV (incl. academic work experience and R&D projects, as well as a list of these)
- List of publications (if any or link to Google Scholar)
- Additional programming skills or experience in other relevant tools (e.g. github, bitbucket if any)
- A description of the applicant’s research interests, the background for the research questions that the applicant wishes to work, and an initial project plan (preliminary, not very descriptive)
- References - 2 (details with Name, designation, email and contact number)
- Summary of Master’s thesis (abstract, 1 or 2 pages)
- Any other relevant documentation

The applicant is fully responsible for submitting complete digital documentation before the closing date. All documentation must be available in a Scandinavian language or English.

Application deadline: 13.03.20

Contact

For questions about the position:

- Associate Professor Martin Gerdes tel. +47 37 23 32 64, e-mail: martin.gerdes@uia.no
- Head of Department Folke Haugland, tel. +47 37 23 31 12, e-mail folke.haugland@uia.no

For questions about the application process:

- HR Advisor Nina Rønningen, tel. +47 38 14 20 16, e-mail nina.ronningen@uia.no
- Higher Executive Officer Lise Askbo Fylkesnes, tel. +47 37 23 31 25, e-mail: lise.a.fylkesnes@uia.no

University of Agder

Jobbnorge-ID: 183348, Søknadsfrist: 13. mars 2020