



# UiT The Arctic University of Norway

## Faculty of Science and Technology - Department of Technology and Safety

*The Department of Engineering and Safety (IIS) at UiT the Arctic University of Norway is an interesting and exciting workplace with a focus on a good working environment for employees and a good learning environment for students. The department has an important role as a knowledge provider for the labor market in the region, through education, research and continuing education. Our students appreciate that the department works closely with the industry during the study program.*

*Tromsø is known as an active city with many international cultural activities, such as a film and music festival, Tromsø International Film Festival and the Northern Lights Festival. Tromsø has a great nature with abundant hiking opportunities during summer and winter, and a friendly and open international population.*

# PhD Candidate in Augmented Reality for Next-Generation Maritime Training at the Department of Engineering and Safety

The Department of Engineering and Safety (IIS), has a PhD position vacant for applicants who wish to obtain the degree of Philosophiae Doctor (PhD). The position is affiliated with IIS and closely linked with the *Advanced maritime ship operations* research group at UiT - The Arctic university of Norway. For details, please see the following link:

[https://en.uit.no/forskning/forskningsgrupper/gruppe?p\\_document\\_id=489544](https://en.uit.no/forskning/forskningsgrupper/gruppe?p_document_id=489544)

The appointment is for a period of four years.

The PhD position is for a fixed term, with the objective of completion of research training to the level of a doctoral degree. Admission to a PhD programme is a prerequisite for employment, and the programme period starts on commencement of the position. The PhD Candidate shall participate in the faculty's organized research training, and the PhD project shall be completed during the period of employment. Information about the application process for admission to the PhD programme, application form and regulations for the degree of Philosophiae Doctor (PhD) are available at the following address:

[https://en.uit.no/om/enhet/forsiden?p\\_dimension\\_id=88131](https://en.uit.no/om/enhet/forsiden?p_dimension_id=88131)

Further information about the position is available by contacting:

Associate professor Puneet Sharma, +47 77660391, [puneet.sharma@uit.no](mailto:puneet.sharma@uit.no), or  
Associate professor Jarle André Johansen, +47 77660366, [jarle.johansen@uit.no](mailto:jarle.johansen@uit.no).

### **The position's affiliation**

The Department of Engineering and Safety is organised under the Faculty of Science and Technology. Activities at the department take place in the new technology building located at Campus Tromsø. The advertised position has its workplace at Campus Tromsø.

The department has about 70 employees and has about 400 students in our various programs. The department offers education in the fields of nautical science, aviation, safety-/societal safety and environment. In addition, the department offers a Master's degree in Technology and Safety. The department is working to establish research training within our fields.

This research project is a collaboration between the two disciplines: Automation (belonging to the Faculty of Engineering Science and Technology) and Nautical Sciences (belonging to the Faculty of Science and Technology) both located at campus Tromsø. For more information about the workplace, please see the following link: [https://uit.no/om/enhet/forsiden?p\\_dimension\\_id=88141](https://uit.no/om/enhet/forsiden?p_dimension_id=88141)

The PhD Candidate will work in close collaboration and guidance of the Automation team. The Automation team is involved in doing research in the field of electronics, sensors, image processing, eye tracking, and virtual reality. The group has access to state-of-the-art aircraft and ship simulators, and hardware such as, Microsoft HoloLens, Oculus Rift DK2, Meta 2 Development kit and SMI eye trackers.

### **The position's field of research/research project and other duties**

The position is closely linked with an ongoing European research and innovation project supported under Horizon 2020 called WEKIT. WEKIT stands for Wearable Experience for Knowledge Intensive Training. The aim of WEKIT is to bring learning content and technical documentation to life via task-sensitive Augmented Reality (AR), making training more efficient, affordable and engaging. The automation team is a member of the WEKIT project. For details, please see <https://wekit.eu/>

In this project, we aim to develop WEKIT for training in maritime domain. Experience in maritime domain is encouraged, but not mandatory. The project requires strong programming & information technology skills, and may require some travel.

### **Qualification requirements**

The successful applicant must fulfil the requirements for admission to the faculty's PhD programme, cf. Regulation for the degree of Philosophiae Doctor (PhD) at UiT- The Arctic University of Norway. In addition, he/she be able to document proficiency in English equivalent to Norwegian Higher Education Entrance Qualification, refer to the website about [PhD regulations at UiT](#).

This position requires Master's degree in Computer Science, or similar.

The Master's degree should be recognized as equivalent to a 2-year Norwegian Master's degree.

### **Language skills:**

- Good communication skills in both written and spoken English

The applicant must write a one-page project description for the PhD project.

Emphasis will be given to grades in master's degree, the project description submitted by the candidate, relevant research experience, and personal suitability.

### **Working conditions**

The normal period of employment is four years. The nominal length of the PhD programme is three years. The fourth year, distributed as 25 % of each year, shall be used for teaching or other duties for the university, cf. [Guidelines](#) for the research fellow's duties.

The position will be assigned teaching duties in Automation or related studies.

A shorter period of appointment may be decided when the research fellow has already completed parts of his/her research training programme or when the appointment is based on a previous qualifying position (PhD Candidate, research assistant, or the like) in such a way that the total time used for research training amounts to three years.

Remuneration for the position of PhD Candidate is in accordance with the State salary scale code 1017. A compulsory contribution of 2 % to the Norwegian Public Service Pension Fund will be deducted.

### **Assessment**

The applicants will be assessed by an expert committee. During this assessment process, emphasis will be attached to the applicant's potential for research as shown by:

- Master's thesis or equivalent,
- Academic works,
- Documented language skills/test scores, and
- Project description (1 page only).

All information and material to be considered during the assessment must be submitted by the stipulated deadline.

The applicants who are assessed as the best qualified will be called to an interview. The interview shall among other things aim to clarify the applicant's personal suitability for the position.

### **Application**

The application must be submitted electronically via the application form available via link on this site ([Apply for this job](#)).

The application must include:

- Letter of application
- Proposal for project description
- CV (containing a complete overview of education, supervised professional training and professional work)
- copies of:
  - *diploma and transcript from your Bachelor's degree or equivalent*
  - *diploma and transcript from your Master's degree or equivalent*
  - *diploma supplement for completed degrees*
  - *documentation of English language proficiency*
  - *testimonials*
- List of works and description of these (see below)

The list of works shall contain the following information:

- author(s), the work's title
- for articles: the journal's name and volume, the first and last page of the article, year of publication
- for publications: publisher, printer, year of publication, number of pages
- The works (published or unpublished) which the applicant wishes to be taken into consideration during the assessment process must be submitted
- List of references with contact information.

***All documentation that is to be evaluated must be certified and translated into English or a Scandinavian language.***

*All documents mentioned above are mandatory for evaluation.*

*Information and material to be considered during the assessment must be submitted by the stipulated deadline.*

Applications submitted via email will not be evaluated

Applicants shall also refer to the [Supplementary regulations for appointment to postdoktor \(Postdoctoral Fellow\), stipendiat \(PhD\) and vitenskapelig assistent \(Research Assistant\) positions at UiT The Arctic University of Norway](#) and to the [Regulations concerning terms and conditions of employment for posts of postdoktor \(Postdoctoral Fellow\), stipendiat \(PhD\), vitenskapelig assistent \(Research Assistant\) and spesialistkandidat \(Resident\)](#). (In Norwegian only)

Questions concerning the organisation of the working environment, such as the physical state of the place of employment, health service, possibility for flexible working hours, part time, etc. as well as questions about the PhD programme may be directed to the telephone reference in this announcement.

UiT has HR policy objectives that emphasize diversity, and encourages all qualified applicants to apply regardless of their gender, functional ability and national or ethnic background.

UiT is an IW (Inclusive Workplace) enterprise, and will emphasize making the necessary adaptations to the working conditions for employees with reduced functional ability.

Personal data given in an application or CV will be processed in accordance with the Act relating to the processing of personal data (the Personal Data Act). In accordance with Section 25 subsection 2 of the Freedom of Information Act, the applicant may request not to be registered on the public list of applicants. However, the University may nevertheless decide that the name of the applicant will be made public. The applicant will receive advance notification in the event of such publication.

*In case of discrepancies between the Norwegian and the English version of this description, the Norwegian version takes precedence.*

Jobbnorge ID: 136898, Deadline: Closed