

## **PhD position in modelling and ICT for fire risk prediction at Western Norway University of Applied Sciences, Norway.**

### **Description**

Western Norway University of Applied Sciences (HVL), Faculty of Engineering and Science has one available position as PhD Research fellow in Modelling and Information and Communications Technology (ICT) for Fire Disaster Prevention.

The prospective PhD Research Fellow will be a member of the interdisciplinary project "Reducing fire disaster risk through dynamic risk assessment and management (DYNAMIC)" funded by the Research Council of Norway. We are seeking a PhD Research Fellow interested in designing, developing and testing of warning systems for potential fire disasters in the built environment and in the wildland-urban interface. Systems shall be developed and experimentally evaluated to handle potential hazardous condition warnings as well as warnings during ongoing fires. The PhD project will investigate how modelling and warning system technologies can support proactive emergency management. Interests in fire safety, risk modelling and software systems are appreciated. The overall objective is to develop validated cloud- and IoT software technology and tools for the fire and rescue services.

The PhD Research Fellow will work in the intersection of the fire safety and computer science research environments at HVL. The computer science research environment at HVL encompass the areas of software engineering, engineering computing, sensor networks and measurement technology, and machine learning and artificial intelligence, and include 25 Professors and Associate Professors, 30 PhD and Post-Doctoral fellows, and a number of master students. The successful candidate will enroll in the PhD programme in Computer Science ([www.hvl.no/en/studies-at-hvl/study-programmes/2019h/phdcs/](http://www.hvl.no/en/studies-at-hvl/study-programmes/2019h/phdcs/)) at HVL.

For more information about the position, including instructions on how to apply, see:

<https://www.jobbnorge.no/en/available-jobs/job/176887/phd-position-in-risk-modelling-and-ict-for-fire-disaster-prevention>

On January 1st, 2017, Bergen University College, Sogn og Fjordane University College and Stord/Haugesund University College merged to form Western Norway University of Applied Sciences. With about 16,000 students, it is one of the largest higher education institutions in Norway. A broad range of academic programmes is offered at Bachelor, Master and PhD levels.

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