

Jobbnorge-ID: 151261

Søknadsfrist: Avsluttet

Nettside:

Omfang:

Varighet:

PhD positions within the project World of Wild Waters (WOWW) - Gamification of Natural Hazards

Norwegian University of Science and Technology (NTNU) has a vacancy for 7 three years position as PhD Research Fellows related to the project World of Wild Waters (WoWW). The project is in NTNU's strategic portfolio of projects to pursue transformative research on the development and application of digital transformation technology. Multidisciplinary is a key objective in all the projects and the positions in WoWW are at four departments at three faculties. A close cooperation between the PhD research fellows and the departments will be the backbone of World of Wild Waters. More information: <https://www.ntnu.edu/digital-transformation>

About World of Wild Waters - WoWW

World of Wild Waters is focused on gamification of Natural Hazards and aim at bringing together knowledge on the physical and statistical behavior of Natural Hazards with knowledge on digital storytelling and human behavior to create an immersive user experience based on real data, realistic scenarios and simulations. Experiences stakeholders, planners, decision makers and emergency agencies can base their preventive and emergency measures at to safe live and cost. World of Wild Waters aim at being the future tool for analyzing and communicating the potential causes and effects of Natural Hazards as floods and landslides. This is a possibility to shaping the future way of working at a field of high societal importance.

Description of the PhD positions

There are four positions at the [Faculty of Engineering](#) at the Department of Civil and Environmental Engineering. Three of these, one on landslides and two at floods, are in the World of Wild Waters project and one at flash floods will be linked to World of Wild Waters. There are two positions at the [Faculty of Information Technology and Electrical Engineering](#). One focused on the immersive user experience at Department of Electronic Systems and one at statistical properties of extreme events at Department of Mathematical Sciences. The last PhD position is at the [Faculty of Social and Educational Sciences](#), Department of Psychology, and focus on human behavior in extreme events in a virtual environment vs real situations. The PhD research fellows in World of Wild Waters will cooperate closely, build on each other knowledge and findings and feed into each other's research projects. In the following, there are links to more detailed description of the positions and the requirement.

PhD position 1: [Virtualization of Floods in World of Wild Waters](#)

PhD position 2: [Flash floods hydrology in World of Wild Waters](#)

PhD position 3: [Flash floods in steep terrain](#)

PhD position 4: [Virtualization of Landslides in World of Wild Waters](#)

PhD position 5: [Statistical properties of extremes in World of Wild Waters](#)

PhD position 6: [Immersive user experience in World of Wild Waters](#)

PhD position 7: [Human behavior and virtual reality in World of Wild Waters](#)

Tilleggsinformasjon

Arbeidssted: