

Norwegian University of Science and Technology (NTNU)
Faculty of Engineering Science and Technology
Department of Structural Engineering



The Norwegian University of Science and Technology (NTNU) in Trondheim represents academic eminence in technology and the natural sciences as well as in other academic disciplines ranging from the social sciences, the arts, medicine, teacher education, architecture to fine art. Cross-disciplinary cooperation results in innovative breakthroughs and creative solutions with far-reaching social and economic impact.

PhD Position in Fracture of Nickel Alloys (IVT 117/13)

The following announcement is about the PhD position in Fracture of Nickel Alloys.

The Faculty of Engineering Science and Technology (IVT) at the Norwegian University of Science and Technology (NTNU) announces one vacant PhD position in the field of **Fracture of Ni-alloys**. The project is jointly financed by Aker Solutions and NTNU IVT faculty.

At present, Department of Structural Engineering has 20 technical/administrative employees, 20 Professors, 8 Associate Professors, 10 Professor II, 5 researchers and 40 PhD/postdocs.

The principal objective of the position is to study the fracture behavior, establish the failure criterion, and explore the transferability of laboratory toughness data to fracture assessment and life prediction of structural Ni-alloys used in subsea applications by both experimental and multiscale modeling methodologies.

Further information about the position can be obtained from:

Professor Zhiliang Zhang, zhiliang.zhang@ntnu.no, <http://www.ntnu.edu/nml>, +47 73592530
Associated Professor II Jim Stian Olsen, jim.stian.olsen@akersolutions.com, +47 92294233.

Requirements:

The position require a Master's degree or similar within material science and engineering, mechanics, or mechanical/structural engineering and other relevant disciplines. The successful applicants are motivated and ambitious students with excellent grades. Proficiency to carry out goal-oriented work, good skills to deliver oral and written presentation of research results, and good cooperation abilities will be emphasized.

Conditions of appointment:

PhD Candidates (code 1017) are normally remunerated at wage level 50, gross NOK 420 800 before tax. There will be a 2 % deduction to the Norwegian Public Service Pension Fund.

The period of employment is three years. Engagement as a PhD Candidate is done in accordance with "Regulation concerning terms and conditions of employment for the posts of post-doctoral research fellow, research fellow, research assistant and resident", given by the Ministry of Education and Research of 19.07.2010. The goal of each of the announced

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positions is to obtain a PhD degree. Applicants will engage in an organized PhD training program, and appointment requires approval of the applicants plan for a PhD study within three months from the date of commencement. See <http://www.ntnu.edu/ivt/phd> for more information.

Applicants must agree to participate in organized doctoral study programs within the period of the appointment and have to be qualified for the PhD study. A contract will be drawn up regarding the period of appointment and work related duties.

The engagement is to be made in accordance with the regulations in force concerning State Employees and Civil Servants. The positions adhere to the Norwegian Government's policy of balanced ethnicity, age and gender. According to the new Freedom of Information Act, information concerning the applicant may be made public even if the applicant has requested not to be included in the list of applicants.

Applications with CV, possible publications and other scientific works, certified copies of transcripts and reference letters should be submitted electronically <http://www.jobbnorge.no>. Mark your application with **ref.no. IVT-118/13**.

Application deadline: 30.10.2013.