

**Full tekst: NAV, Nettopp, Jobbnorge, Forskerforums nettsider og EU-portalen**

**Two PhD positions within the area of “Nanotechnology for Microsystems” at Department of Electronics and Telecommunications and Department of Physics, Norwegian University of Science and Technology, Trondheim, Norway – IME-020-2011.**

Two PhD Research Fellowship positions are offered within the area of “Nanotechnology for Microsystems” at Department of Electronics and Telecommunications (<http://www.iet.ntnu.no/>) in [Faculty of Information Technology, Mathematics and Electrical Engineering](#) (IME) and Department of Physics (<http://www.ntnu.edu/physics>) in Faculty of Natural Sciences and Technology (<http://www.ntnu.edu/nt>), [Norwegian University of Science and Technology \(NTNU\)](#).

The positions are funded by NTNU, linked to a strategic grant from the Research Council of Norway to establish the “Norwegian PhD Network on Nanotechnology for Microsystems” ([www.nano-network.net](http://www.nano-network.net)). One of the positions will be at Department of Physics and the other will be at Department of Electronics and Telecommunications.

The research of the PhD-network includes design, modelling, growth and processing of mesoscopic (nm to  $\mu\text{m}$ ) device structures for mechanical, electronic, optical, magnetic and bio-components in nano- and microsystems, as well as manipulation and basic studies of their physical properties, directed at applications in health, environment and safety, energy supply and conservation, telecommunications and transport.

Master degree within nanotechnology, physics, electronic engineering or materials science is required.

Applicants need to contact a thesis advisor in order to prepare a short project plan which must be attached to the application.

Thesis advisors at Department of Electronics and Telecommunication: Astrid Aksnes, Bjørn-Ove Fimland, Jostein Grepstad, Thomas Tybell, Helge Weman og Trond Ytterdal. Contact information can be found here: <http://www.iet.ntnu.no/en/ansatte/alle>

Thesis advisors at Department of Physics: Anne Borg, Dag W. Breiby, Turid Worren Reenaas, Marit Sletmoen, Irina Sorokina, Bjørn Torger Stokke og Erik Wahlstrøm. Contact information can be found here: <http://www.ntnu.edu/physics/employees>

PhD stipends at NTNU are normally awarded for up to 4 years with 25% of the time spent on assignments such as teaching and lab assistance for undergraduates.

The appointment is placed in code 1017, salary level 48-61 of the national salary scheme, gross NOK. 383.700- 481.600 per annum (before tax). PhD students are normally remunerated at level 48. There is a compulsory 2 % deduction to the Norwegian Public Service Pension Fund.

The goal of the announced position is to obtain a PhD degree. The appointment is conditional upon enrollment in an NTNU PhD program, according to current appointment regulations with supplementary rules and guidelines at Norwegian universities and university colleges.

The successful applicants must agree to the conditions laid down for public employees in Norway. A contract will be drawn up regarding the period of appointment and work-related duties for award holders.

See also the information about doctoral studies at NTNU at <http://www.ime.ntnu.no/english/research/Phd>

The national work force should reflect the composition of the nations population. It is a major political objective to achieve a balance of genders and recruit people with an immigrant background. Women and immigrants are thus encouraged to apply for the posts. The application must contain information about education, examinations, and previous relevant experience. Certified copies of certificates and documents must be attached.

Publications, etc., which the applicant wishes should be taken into account, must also be enclosed. If difficult to make out the contribution of the applicant to joint papers, a short summary should be attached outlining the applicant's contribution.

Applications, inclusive CV, grade transcripts, and other enclosures should be submitted electronically through <http://www.jobbnorge.no/>  
Ref. no. IME-020/11.

**Application deadline: 2011-04-01.**

**2011/3473/MW**