

**6 PhD RESEARCH FELLOWSHIP POSITIONS IN INFORMATION TECHNOLOGY,  
MATHEMATICS AND ELECTRICAL ENGINEERING**

Faculty of Information Technology, Mathematics, and Electrical Engineering at the Norwegian University of Science and Technology (NTNU) invites applicants for 6 PhD research fellowship positions. The fellowships are intended for PhD studies and are open to applicants in all areas of research covered by the 6 different Faculty departments:

<b>Departments</b>	<b>Contactperson</b>	<b>E-mail address</b>
<a href="#">Department of Computer and Information Science</a>	Professor Guttorm Sindre	<a href="mailto:Guttorm.Sindre@idi.ntnu.no">Guttorm.Sindre@idi.ntnu.no</a>
<a href="#">Department of Engineering Cybernetics</a>	Professor Tor Arne Johansen	<a href="mailto:Tor.Arne.Johansen@itk.ntnu.no">Tor.Arne.Johansen@itk.ntnu.no</a>
<a href="#">Department of Electronics and Telecommunications</a>	Associate Professor Ragnar Hergum	<a href="mailto:ragnar.hergum@iet.ntnu.no">ragnar.hergum@iet.ntnu.no</a>
<a href="#">Department of Mathematical Sciences</a>	Professor Sverre Smalø	<a href="mailto:sverresm@math.ntnu.no">sverresm@math.ntnu.no</a>
<a href="#">Department of Electric Power Engineering</a>	Professor Olav Bjarte Fosso	<a href="mailto:Olav.Fosso@elkraft.ntnu.no">Olav.Fosso@elkraft.ntnu.no</a>
<a href="#">Department of Telematics</a>	Associate Professor Poul E. Heegaard	<a href="mailto:poul.heegaard@item.ntnu.no">poul.heegaard@item.ntnu.no</a>

**The 6 research fellowship positions** are awarded on a competitive basis, to help recruit talented candidates for the PhD study programs administered by IME. These programs comprise the following fields of research; communication technology, computer science, cybernetics, electronics, information science, mathematics, power engineering and statistics. Collaboration with researchers from other areas of science and engineering at NTNU, as well as with external partners from industry, research institutes, and other universities (Norway and abroad) is commonplace. Further information on IME and its 6 departments is available at <http://www.ime.ntnu.no/english>

The Faculty is keen to attract the best candidates available and puts few restrictions on training background and fields of research (see list above). It is also possible to further multidisciplinary project proposal across department divisions, primarily linked to one of the faculties Special Interest Groups (SIGs):

<b>Special Interest Groups</b>	<b>Contactperson</b>	<b>E-mail address</b>
Cryptology	Professor Stig F. Mjøl̄snes	<a href="mailto:sfm@item.ntnu.no">sfm@item.ntnu.no</a>
Multicore programming	Professor Lasse Natvig	<a href="mailto:Lasse.Natvig@idi.ntnu.no">Lasse.Natvig@idi.ntnu.no</a>
Embedded systems	Associate Professor Sverre Hendseth	<a href="mailto:Sverre.Hendseth@itk.ntnu.no">Sverre.Hendseth@itk.ntnu.no</a>
Wireless communication and networking	Associate Professor Poul Heegaard	<a href="mailto:poul.heegaard@item.ntnu.no">poul.heegaard@item.ntnu.no</a>
Motion Control with geometric modelling methods	Associate Professor Elena Celledoni	<a href="mailto:elenac@math.ntnu.no">elenac@math.ntnu.no</a>
Human Computer Interaction and Interaction Design	Professor Dag Svanæs	<a href="mailto:Dag.Svanæs@idi.ntnu.no">Dag.Svanæs@idi.ntnu.no</a>

Applicants must however contact a relevant research group at IME and name a prospective thesis advisor prior to submitting their application. The final selection of candidates may be subject to considerations of thematic spread across the departments at IME.

MSc-students in the 5th year are especially encouraged to apply. PhD appointment of these applicants may be done immediately after completion of the MSc-degree.

Applicants must have completed an MSc-degree or provide documentation of equivalent training in a field relevant to research pursued at one of IME's departments, before they can be appointed. Further, they have to satisfy the formal grades requirements for admission to the PhD studies at NTNU. See <http://www.ime.ntnu.no/english/phd> for detailed information about the PhD programs administered by IME.

NTNUs PhD-rules require a master degree or equivalent with at least 5 years of studies and an average grade of A or B within a scale of A-E for passing grades (A best). Candidates from universities outside Norway are kindly requested to send a Diploma Supplement or a similar document, which describes in detail the study and grade system and the rights for further studies associated with the obtained degree: [http://ec.europa.eu/education/policies/rec\\_qual/recognition/diploma\\_en.html](http://ec.europa.eu/education/policies/rec_qual/recognition/diploma_en.html)

Foreign applicants must document a TOEFL score of 600 or higher.

PhD fellowships at NTNU are normally awarded for a total of 4 years, incl. 25% (1 man-year) of teaching assistance at the bachelor and master degree level. These duties are commonly distributed over the 4 years, with a larger proportion in the first two years.

Further information about the fellowships can be obtained from the Department links above, or by contacting the faculties Special Interest Groups.

The PhD fellowships are placed in salary code 1017, salary level 45 - 61 in the national salary scheme, gross NOK 355 400 – 471 700 per annum, of which 2 % is deducted for the State Pension scheme. Starting salary is expected to be at level 45. The salary might be adjusted after negotiations with the employer to reflect the applicant's experience.

The appointment will be made in accordance with current regulations with supplementary rules for research fellowship appointments in universities and polytechnics. Applicants must agree to participate in organized doctoral study programs within the period of the appointment. The successful applicant must agree to the conditions laid down for public employees. A contract will be drawn up regarding the period of appointment and work-related duties for award holders.

NTNU is an equal opportunity employer and welcomes applications from both EU/EEA and non-EU candidates. The university is strongly committed to diversity within its community and especially welcomes applications from members of ethnic minorities and women.

The application must include curriculum vitae with information about the candidate's prior training, exams, and work experience. Moreover, we request that the candidate contact a relevant research group at IME to define a thesis project. A brief outline of the project, signed by both the applicant and his/her prospective thesis supervisor (faculty member in that research group) should follow the application. The quality of the project proposal will also be considered during the assessment of the application.

Incomplete applications will not be taken into consideration.

Applications are to be submitted electronically through [www.jobbnorge.no](http://www.jobbnorge.no) Preferably, we want the attachments in one file.

Applications should be marked **IME 055-2009**.

**Closing date: 2009-12-01.**