

Jobbnorge-ID: 72368
Søknadsfrist: Avsluttet
Nettside:
Omfang:
Varighet:

9 PhD Fellowship positions at NTNU

At Faculty of Information Technology, Mathematics and Electrical Engineering 9 PhD Research Fellowship positions are offered within four of the faculty's six departments.

IME-007/2011 (3 positions)

Department of Mathematical Sciences.

The three candidates will be working within one of the departments research areas.

Contact: Head of Department, Professor Sverre Smalø, e-mail: sverresm@math.ntnu.no

IME-008/2011

Department of Telematics / Department of Computer and Information Science

CoCoCo: Context, Coordination and Communication within Hospitals.

This project is a collaboration between the Department of Telematics and the Department of Computer and Information Science. The position may be affiliated to either of the departments depending on the candidate's background and interests. For further information about the project, see <http://www.item.ntnu.no/~lillk/projects/CoCoCo/>

Contacts:

- Professor Lill Kristiansen, e-mail: lillk@item.ntnu.no
- Professor Pieter Jelle Toussaint, e-mail: pieter@idi.ntnu.no

IME-009/2011

Department of Telematics.

Media Technology and Art.

For further information about the project, see: http://www.item.ntnu.no/people/personalpages/fac/leifarne/phd_positon

Contact: Professor Leif Arne Rønningen, e-mail: leifarne@item.ntnu.no

IME-010/2011

Department of Telematics.

Telecommunication Markets Modelling.

For further information about the project, see <http://www.item.ntnu.no/people/personalpages/adm/haraldov/phdposition>

Contact: Associate professor Harald Øverby, e-mail: haraldov@item.ntnu.no

IME-011/2011

Department of Electronics and Telecommunications.

Microwave Engineering.

The topic for the position is microwave engineering, with emphasis Time Domain Waveform Engineering for Power Amplifier Efficiency and Linearity.

Contact: Associate professor Morten Olavsbråten, e-mail: morten.olavsbraten@iet.ntnu.no

IME-012/2011

Department of Electronics and Telecommunications.

Oxide electronics, with emphasis on studies of conducting interfaces between perovskite oxides and it's possibility for future device applications.

The project focus on the sythesis of conducting interfaces between epitaxial dielectric materials, and studies of how epitaxy and choice of materials can be used to control the interface's transport properties. The goal of the project is to relate growth issues of such interfaces to future use of them in factual nanoelectronic device technology.

Contact: Professor Thomas Tybell, e-mail: thomas.tybell@iet.ntnu.no

IME-013/2011

Department of Electric Power Engineering.

Power system balancing with large scale integration of renewables in multi-national power markets.

Increasing penetration of wind and more recently solar power in Northern Europe poses significant challenges for power system operation. Because of the unpredictability and variability of these resources, it is necessary to have access to both physical resources and market instruments to secure continuous power supply. The department has done considerable research within this area, and the PhD study will take part in a continuation of this research in the direction of large scale exchange of balancing resources between the Nordic area, the UK and continental Europe using optimization and simulation models.

Contact: Professor Gerard Doorman, email: Gerard.Doorman@elkraft.ntnu.no

Applicants must however contact a supervisor within the particular department at IME and name a prospective thesis advisor prior to submitting their application.

Award holders at NTNU are normally appointed for 4 years with 25% of the time spent on specified work. This work is primarily linked to teaching and is usually divided so that a relatively large part is done in the first half of the period of the appointment.

PhD positions are part of an educational program that will give promising candidates the opportunity for research training and professional development at a high level. The PhD program at the Faculty of Information Technology, Mathematics and Electrical Engineering is based on the research done in the Faculty's academic disciplines. These include computer science, electronics, electric power engineering, information technology, communication technology, mathematics, statistics, telematics and engineering cybernetics. Much of this research is carried out in close collaboration with other academic groups at NTNU and with research groups in industry, research institutes and other universities, nationally and internationally. For further information about the faculty, see: <http://www.ntnu.edu/ime>

Master's students who are in their final year are especially encouraged to apply. Successful applicants among these will be offered a position immediately after completion of their master's degree. Applicants must have completed a master's degree in one of the Faculty's subject areas or have an equivalent education. Applicants must also meet the grade requirements for admission to the PhD program at the university.

Within the application, it should be clearly stated for which fellowships it is applied, by indicating project(s) **IME-number** and for projects with more fellowships. If it is applied for more than one fellowship, the applicant's priorities with respect to the fellowships must be stated

Applicants from non-English speaking countries outside of Europe must document a TOEFL score of 600 or higher or a score of 100 or higher if the on-line test is being used.

The goal of the announced positions is to obtain a PhD degree, hence the successful applicant must be enrolled as a PhD student at NTNU, please see <http://www.ntnu.edu/ime/research/phd> for information about PhD education at NTNU.

NTNU's 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

The position is placed in salary code 1017, which currently corresponds to a yearly gross income of NOK 383 700 (pay scale level 48). From this 2 % will be deducted for mandatory membership in the National Pension Fund.

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.

Candidates will be required to enroll in a PhD program within the period of employment, and must sign a contract regulating the period of employment.

According to Norwegian policies, the government workforce should, as closely as possible, reflect the diversity of the population at large. It is therefore a goal of NTNU, as a government institution, to have a workforce which is balanced with respect to gender, and to recruit persons of immigrant background.

NTNU also wishes to increase the number of women on its workforce, and women are specifically encouraged to apply.

The application must include information about education, exams and earlier experience. Certified copies of certificates and diplomas must be enclosed. Relevant scientific works should be submitted. Joint works will be taken into account. In cases where it is difficult to determine the applicant's contribution, a short note of explanation should be supplied.

Applications are to be submitted electronically through this page. Preferably, we want the attachments in one file.

Applications should be marked with the particular IME-number.

Application deadline: March 1st 2011.

Tilleggsinformasjon

Arbeidssted: