

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.

Faculty of Information Technology, Mathematics and Electrical Engineering
Department of Computer and Information Science

Postdoctoral and PhD research fellowships in Language Technology at the Department of Computer and Information Science, NTNU

The Faculty of Information Technology, Mathematics and Electrical Engineering (<http://www.ntnu.edu/ime>) at the Norwegian University of Science and Technology (NTNU) has a vacancy for either two postdoctoral fellow positions or one postdoctoral fellowship and one PhD candidate position in Language Technology at the Department of Computer and Information Science (<http://www.ntnu.edu/idi>).

An appointment as postdoctoral fellow is for a term of two years of full-time research, with no teaching obligations. The position of postdoctoral fellow is a fixed-term position with the primary objective of qualifying for work in top academic posts.

A PhD scholarship is for three years, with an opening for one additional year of work duties (as teaching assistant, etc.) at the department. This is a researcher training position aimed at providing promising researcher recruits the opportunity of academic development in the form of a doctoral degree.

Information about the department

Currently there are 23 professors and 11 associate professors at the department. In addition there are 12 adjunct associate professors, 7 postdoctoral researchers, approx. 70 active PhD students, and 18 technical/administrative staff. Five of the tenured scientific positions are held by women, and nine are from other countries than Norway. Research activities are organized into groups and strategic European and National projects as documented here <http://www.ntnu.edu/idi/research>.

Work description

These two researcher training positions are aimed at providing promising researchers the opportunity of further academic competence development. The successful candidates will be integrated in the language technology group and participate in an international project aiming at collecting and using large-scale language processing resources from the web, in particular for Norwegian, Czech and four languages from the Horn of Africa (Amharic, Tigrigna, Afaan Oromo and Somali). The main tasks will be to use these language resources in various machine learning-based experiments - such as using vector space models for word sense disambiguation or cross-lingual studies - and to design such experiments in collaboration with the other researchers at the department.

Each position represents an excellent opportunity for an individual to develop his/her career. It is expected that the each postdoctoral fellow will make a significant contribution to the project itself as well as in coming project applications for external funds. A PhD candidate is expected to contribute significantly to the project during the first two years and then complete a high-level PhD thesis based on this work. The decision of whether to appoint two postdoctoral fellows or one postdoctoral fellow and one PhD candidate will depend on the qualification level of the applicants.

Applicants who do not master a Scandinavian language must provide evidence of good English language skills, written and spoken. The following tests can be used as such documentation: TOEFL, IELTS and Cambridge Certificate in Advanced English (CAE) or Cambridge Certificate of Proficiency in English (CPE). Minimum scores are:

- TOEFL: 600 (paper-based test), 92 (Internet-based test)
- IELTS: 6.5, with no section lower than 5.5 (only Academic IELTS test accepted)
- CAE/CPE: grade B or A

In extraordinary circumstances, formal documentation of language skills can be relinquished. In such cases the candidate's language skills will be assessed in a personal interview.

Qualifications

For both positions, the fellowships will be awarded on a competitive basis. Emphasis will be put on personal qualities and potential as a researcher. High importance will also be attached to personal communication and cooperation skills.

The postdoctoral positions shall contribute to the current strategy of strengthening the department's research activities, in particular in language technology and/or machine learning. A requirement is a Norwegian doctoral degree in a relevant research area or a corresponding doctoral degree from a country outside Norway, recognized as equivalent to a Norwegian doctoral degree, or competence at a corresponding level documented by academic work of the same scope and quality. The applicant must document his/her experience with research project participation. The candidate's potential for strengthening the department's research will be important when evaluating an application, in addition to the applicant's education, publications, and qualifications for completing the project.

Applicants for a [PhD scholarship](#) must be qualified for admission as PhD students at NTNU. NTNU's PhD-rules require a Master degree or equivalent with at least 5 years of studies and a grade point average of 'B' or higher on a scale of 'A'-'E' for passing grades ('A' being best). See <http://www.ime.ntnu.no/forskning/phd> for more information about PhD studies at NTNU. The candidate must undertake to participate in an organized PhD programme of study during his/her period of employment.

We can offer

- an informal and friendly workplace with dedicated colleagues
- academic challenges
- attractive schemes for housing loan, insurance and pensions in the Norwegian Public Service Pension Fund

The Faculty of Information Technology, Mathematics and Electrical Engineering wants to attract outstanding and creative candidates who can contribute to our ongoing research activities. We believe that diversity is important to achieve a good, inclusive working environment. We encourage all qualified candidates to apply, regardless of the gender, disability or cultural background.

Salary conditions

The [postdoctoral positions](#) are in code 1352, salary grade range 57-77 in the Norwegian State salary scale, gross NOK 482,500 - 710,100 per year, depending on qualifications.

The [PhD position](#) follows code 1017, grade 36-62 in the Norwegian State salary scale, gross NOK 343,700 - 518,200 per year. PhD students are normally remunerated at wage level 50.

For each position, a deduction of 2 % is made as a statutory contribution to the Norwegian Public Service Pension Fund.

General information

The appointment is subject to the conditions in effect at any time for employees in the public sector. PhD candidates are appointed in accordance with the regulations issued by the Ministry of Education and Research, with relevant parts of the additional guidelines for appointment as a PhD candidate at NTNU.

As far as possible, the State workforce should reflect the diversity of the population. Goals of our personnel policy therefore include a balanced distribution in terms of age and gender as well as recruitment of people of immigrant background.

Under Section 25 of the Freedom of Information Act, information about the applicant may be made public even if the applicant has requested not to have his or her name entered on the list of applicants.

The application must contain

- A cover letter including an explanation of how your research interests and background would fit the position.
- Information about education and relevant experience (a CV).
- Certified copies of academic diplomas and certificates.
- Applicants from universities outside Norway are kindly requested to send a [diploma supplement](#) or a similar document, which describes in detail the study and grading system and the rights for further studies associated with the obtained degree.
- The PhD/Master thesis and other publications relevant to the research scope and any other work which the applicant wishes to be taken into account should clearly indicate the applicant's contribution. If it is difficult to specify the input of the applicant in a joint work, a short summary should be attached outlining the applicant's input.
- Names and contact information of at least two references

Incomplete applications will not be taken into consideration.

The application must be sent electronically as one combined PDF file via this page ([jobbno.no](#)).

For further information, please contact Björn Gambäck, Professor of Language Technology, e-mail: gamback@idi.ntnu.no, phone: +30 698 4433303 or Prof. Letizia Jaccheri, Head of Department, e-mail: Letizia@idi.ntnu.no, phone +47 918 97 028.

For information about processing of applications, please contact Senior Executive Officer Anne Kristin Bratseth, phone +47 73 59 67 15, e-mail: anne.kristin.bratseth@ime.ntnu.no.

Mark the application for the postdoctoral fellowship: IME 013-2015

Mark the application for the PhD fellowship: IME 014-2015

Deadline for applications: 2015-03-01

Jobbno-ID: 110650, Søknadsfrist: Avsluttet