

**NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU)**  
Faculty of Information Technology, Mathematics and Electrical Engineering  
Department of Engineering Cybernetics

### **PhD research fellowship position at Department of Engineering Cybernetics**

The Department of Engineering Cybernetics has a vacancy for a 4-year PhD research fellowship within the automatic control program.

We are seeking candidates with a strong background in systems and control or applied mathematics for research on control and estimation for distributed-parameter systems. While the research topic is initially broad, a specific objective of the project is to develop state- and parameter estimation schemes for application within medical imaging based on ultrasound. Experience with medical imaging is therefore an advantage, but not required. The applicant should possess strong computing capabilities and communication skills in English.

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](http://ec.europa.eu/education/policies/rec_qual/recognition/diploma_en.html)

Foreign applicants must document a TOEFL score of 600 or higher. The goal of the announced position is to obtain a PhD degree, hence the successful applicant must be enrolled as a PhD student at NTNU, please see <http://www.ime.ntnu.no/english/research/phd> for information about PhD education at NTNU.

The applicants are encouraged to contact Professor Ole Morten Aamo, email: [aamo@ntnu.no](mailto:aamo@ntnu.no) for more information.

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 age and 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 [www.jobbnorge.no](http://www.jobbnorge.no). Preferably, we want the attachments in one file.

Applications should be marked: IME 044-2010.

Application deadline: January 23rd, 2011.