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 Natural Sciences and Technology
The Department of Physics

Professor/Associate Professor in Physics (Condensed Matter Physics, Nanoscience)

The Department of Physics at the Faculty of Natural Sciences and Technology of the Norwegian University of Science and Technology (NTNU) invites applications for a position at the rank of Professor/Associate Professor in Condensed Matter Physics.

The Department of Physics is responsible for the education within physics, from ground level to PhD level and is also responsible for the physics education for students at other Faculties at NTNU. For more detailed information about the programmes of study and courses, reference is made to the web page http://www.ntnu.edu/physics/studies.

At present the Department of Physics has 26 professors, 12 associate professors, 5 adjunct professors, approximately 25 post docs and about 72 PhD research fellows.

The research at the department is organized in 5 sections: Applied Physics and Physics Education, Biophysics and Medical Technology, Complex Materials, Condensed Matter Physics and Theoretical Physics.

The Department of Physics has a broad range of competence within experimental and theoretical physics, with experimental activities based on STM and ARPES/XPS (partly directed towards spin resolved studies), structural characterisation (TEM and X-ray diffraction/imaging) and a substantial theoretical activity within mesoscopic physics. The department wishes to build further activities within experimental condensed matter physics; in particular through increased activity and collaboration within NTNU Nanolab, NTNU’s interdisciplinary initiative within nano-science, with state of the art equipment for synthesis and processing.

The department is offering a position as Professor/Associate Professor within experimental condensed matter physics and nanoscience. The position should be directed towards experimental studies of fundamental electronic properties and excitations in spin-polarised/superconducting systems, with focus on charge and spin transport. The successful candidate is expected to establish close collaborations with existing activities at the department and in NTNU Nanolab. Documented experience of scientific work including both advanced characterisation and development/fabrication of nano-sized model systems will be emphasised.

The successful applicant will be responsible, together with other colleagues at the department, for the content and development of courses at Bachelor, Master and PhD level. In particular she/he will be responsible for research, teaching and guidance directed towards condensed matter physics and experimental studies of electronic properties of nanometer scale model systems. The Professor/associate professor must agree to participate in administrative work.

Academic staff employed without having prior formal pedagogical qualification in university-level teaching, and who are unable to document equivalent qualifications, are required to successfully complete a recognized course that gives a pedagogical qualification in university-level teaching within two years of taking the appointment. The University offers such courses.
The best qualified applicants will be invited for interviews and a demonstration of their pedagogical ability, usually in the form of a trial lecture. They will also present their current research and future research plans.

The Professor/Associate professor is obliged to adhere to regulations that concern changes and developments within the discipline and/or the organizational changes concerning activities at the University.

New members of the academic staffs who do not already master a Scandinavian language are within three years expected to achieve proficiency in Norwegian or another Scandinavian language. This proficiency should correspond to level three in the Norwegian for Foreigners courses provided at the Department of Applied Linguistics.

The appointment is to be made in accordance with the regulations in force concerning State Employees and Civil Servants.

More information about the Department of Physics and the open position can be obtained from Head of Department Asle Sudbø. e-mail: asle.sudbo@ntnu.no, phone: +47 73 59 34 03.

The position as Professor/Associate Professor is remunerated according to the Norwegian State salary scale. NTNU expressively invites applications from qualified female scientists.

The application should contain:

- CV, including list of publications with bibliographical references
- Testimonials and certificates
- The most relevant publications - published or unpublished - that has relevance to the evaluation of the applicant’s qualifications (max 10)
- A brief description of the scientific and technological relevance of the candidate’s research
- Research proposal (max 10 pages)
- Educational experience
- Other documents which the applicant would like to present

Joint work will be evaluated. If it is difficult to identify the contributions from individuals in a joint piece of work, applicants are to enclose a short descriptive summary of what he/she did in this connection.

The application should be sent electronically through this page. The position’s reference number is NT-70/11.

**Closing date: 2011-12-11.**