

Two Scientists/Senior scientists

two scientists or senior scientists to strengthen neutron scattering activities in basic and applied materials research.

Apply before: 30.06.2008 at 12:00 (noon)

Two Senior Scientists/Scientists position for neutron scattering studies of materials for the energy sector

The Materials Research Department (AFM) at Risø DTU, National Laboratory for Sustainable Energy, Technical University of Denmark is seeking two Scientists or Senior Scientists to strengthen neutron scattering activities in basic and applied materials research. Risø DTU has a long tradition in structural physics and materials science using neutron and synchrotron X-ray scattering techniques. We have currently obtained a contract with the Paul Scherrer Institute in Switzerland giving priority access to the RITA-II spectrometer that has been developed at Risø DTU but is now stationed at the SINQ neutron source.

AFM has strong collaborations with leading Danish and international universities and large scale research centers, including a number synchrotron x-ray facilities in Europe and USA. A special competence is the Worlds leading program McStas for simulations of neutron spectrometers, developed and maintained at Risø.

Job description

The chosen candidates are expected to use neutron scattering but also synchrotron X-ray diffraction as primary experimental techniques, which require significant travel activities to international large scale research facilities. They will have as colleagues scientists and technicians working on materials properties that are relevant for the energy sector, such as: superconductivity, magnetism, hydrogen storage and thermoelectrics. Depending on experience the candidates should contribute to the following activities:

- development and use of neutron and synchrotron x-ray scattering facilities in materials science
- collaboration on neutron instrument simulation and testing
- development of advanced auxiliary equipment
- participation in the Department's research programs
- establish own research projects within the Risø DTU strategy on energy materials
- training and assisting new users
- project management and fundraising
- teaching and supervision of students and post docs

Qualifications

- education as a physicist, materials scientists or chemist
- Ph.D. degree, or similar qualifications, followed by post doctoral and research experience
- demonstrated experience in neutron and/or synchrotron x-ray scattering techniques
- documented experience in materials science and physics related to the Department activities
- ability to work independently and within research groups
- experience in supervision and project management
- good communication skills in oral and written English

We offer

We offer an exciting and challenging job in an international environment with good possibilities for professional and personnel growth. Risø DTU is a family friendly organization with flexible working hours

Terms of employment

You will be employed in accordance with the terms valid for academic staff at universities. Salary will depend on qualifications and experience.

Application

We must have your online application by 30 June 2008. Please open the link "apply online" and fill in the application form and attach your application and CV.

http://www.dtu.dk/English/About_DTU/vacancies.aspx?guid=22612341

Risø DTU requires variety and supports equal opportunities irrespective of sex and ethnic background

Further information

You are welcome to contact Niels Hessel Andersen, +45 4677 4711, or Allan Schrøder Pedersen, +45 4677 5705.