

Jobbnorge-ID: 100286

Søknadsfrist: Avsluttet

Nettside:

Omfang:

Varighet:

TWO PHD POSITIONS WITHIN DENSITY FUNCTIONAL THEORY STUDIES OF INTERFACES IN FUNCTIONAL OXIDES

There are two available PhD positions at the Department of Material Science and Engineering in the field of density functional theory (DFT) studies of interfaces in functional oxides. The project is financed by the Research Council of Norway and NTNU. The PhD candidates will be part of a group with long experience with functional oxides for fuel cells, membranes, sensors and electronic applications. Computational materials science using density functional theory (DFT) is central to the group's efforts towards fundamental understanding of structure-property relationships in functional oxides. In the present project point defects at interfaces in functional oxide materials will be simulated with DFT, with special emphasis on epitaxial interfaces and domain walls in multiferroic materials.

The applicant should hold a Master (sivilingeniør or MSc) degree or similar in materials science, materials chemistry, solid state physics or equivalent. Experience with either DFT simulations or defect chemistry is considered an advantage.

Detailed information on our PhD programs is found at:

<http://www.ntnu.no/nt/english/phd>

The regulations for PhD programs at NTNU state that the applicant must have 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) and C or better on the BSc. 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

Applicants must agree to participate in organized doctoral study programs within the period of the appointment. A contract will be drawn up regarding the period of appointment and work related duties.

The appointment of the PhD will be made according to Norwegian guidelines for universities and university colleges and to the general regulations regarding university employees. All applicants must be able to communicate fluently in English (in speaking and writing). PhD scholarship recipients are employed for three years in the position. The start salary for the PhD research fellow is set at level 50, NOK 420 800 (before tax) in the Norwegian state salary scale. 2 % of the salary will be deducted at source as a mandatory premium to the Norwegian State Pension Fund.

For more information about the position please contact: Associate Professor Sverre M. Selbach, phone 73594099, e-mail: selbach@ntnu.no.

Information about the department and the research group can be found online at: <http://www.ntnu.no/materialteknologi/english> and <http://www.ntnu.edu/mse/research/ceramics/>.

The application should contain:

CV including certificates from Bachelor and Master as well as Reference letters.

List of publications with bibliographical references.

Documentation of English language proficiency (e.g. TOEFL, IELTS, etc.) if English or a Scandinavian language is not the applicant's mother tongue.

A statement on when the applicant can start in the position if selected.

Applications must be submitted electronically through this page. Applications submitted elsewhere will not be considered.

Mark the application with ref.no NT 27/14.

Application deadline is 16.03.2014

Tilleggsinformasjon

Arbeidssted: