

Post Doctor Research Fellowship - NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU) Faculty of Natural Sciences and Technology, Department of Physics (<http://www.ntnu.no/fysikk/english/appliedphysics>)

A Post Doctoral research fellowship position in experimental physics is open in the area of optical characterisation of structured solar cell surfaces, up and down conversion layers, and nano-structured/patterned solar cells. The position may also involve thin film/nanopillar growth and in-situ optical characterisation. Optical characterisation and collaboration with growers of quantum dot third generation solar cells is also relevant. Combined polarimetric and spectroscopic laser light scattering techniques, and spectroscopic imaging polarimetry, Spectroscopic Ellipsometry, Photoreflectance spectroscopy, and Mueller matrix Ellipsometry, are particular in-house optical techniques to be further developed for the characterisation of e.g., structured surfaces. You will work in close collaboration with material physicists and chemist in a recently launched national project aiming on new solar cell technology.

The PhD research fellow will be appointed for a period of 3 years, but can be prolonged after agreed upon by the Department with one year for teaching duties. The start salary for the Post Doctor research fellowship is typically in the range 435-485 kNOK/year (before tax). As a foreign citizen there are special tax-deductions (and 2% of the salary will be deducted at source as a mandatory premium to the Norwegian State Pension Fund).

Further information can be obtained from professor Mikael Lindgren, Department of Physics, NTNU, Tel. +47 73593414, E-mail: mikael.lindgren@ntnu.no . Send your application with your CV with list of publications and other technical/scientific merits to the same email address.