

PhD position open

The group "Synthesis and Real Structure of Solids" at the Department of Engineering of the Christian Albrechts University Kiel offers a PhD position for four years at a level of E13 (75%). The position is part of a joined interdisciplinary project starting 01.2010. The main fields of activity include TEM analyses on inorganic composite materials used for biomagnetic sensing and other applications. Mandatory job specifications include:

- Hands-on experience in TEM, e. g. operation of a Tecnai F30 S-TWIN, including HRTEM and electron diffraction
- TEM sample preparation
- Hands-on experience in the application of analytical techniques, e.g. STEM, EDX, EFTEM/EELS-imaging via GIF

Optional specifications are:

- Advanced electron diffraction techniques, e.g. CBED, microdiffraction and PED
- Lorentz EM and electron holography
- Tomography.

The successful candidate should have a master's degree in physics, chemistry, mineralogy, material science or a related field.

CAU is an equal opportunity/affirmative action employer seeking to increase the proportion of female faculty members. Qualified women are therefore especially encouraged to apply. Handicapped persons with equal qualifications will be preferred. Please send your application until the 01.11.2009 including C.V., grades and references to the head of the TEM center @ Nanolab Kiel: lk@tf.uni-kiel.de or:

Prof. Dr. Lorenz Kienle
Institute for Material Science CAU Kiel
Group Synthesis and Real Structure
Kaiserstr. 2
24143 Kiel