



Within the framework of the DFG research group FOR 741 “Nanoscale processes and geomaterials properties”

### **1 PostDoc position for 19 months**

is open at the Department of Lithospheric Research at the University of Vienna.

The position is related to the project

“Feedback between transport-controlled mineral reactions and differential stress”

The successful candidate will work on texture analysis of reaction products from solid state reactions. The aim of the project is to reveal to what extent texture and thus the distribution and types of grain boundaries influence the bulk transport properties of a polycrystal. In addition the controls of non-hydrostatic stress on epitaxial relations will be addressed.

The methodological focus will be on texture analysis using EBSD and on TEM investigations on the atomic structure of phase boundaries.

Candidates with experience in EBSD analysis and in electron microscopy will be preferred.

The position can be filled at the earliest possible date.

Employment Requirements: University degree (Diploma, Masters or equivalent) in natural sciences, personal and social skills and the capability for team work.

Applications are invited to:

Univ.-Prof. Dr. Rainer Abart  
Department für Lithosphärenforschung  
Universität Wien  
Althanstrasse 14, UZA 2, 2B325  
A – 1090 Wien  
e-mail: rainer.abart@univie.ac.at