The Institute of Geology, Mineralogy and Geophysics at the Ruhr-University, Bochum, Germany, invites applications for a

DOCTORAL POSITION -

STRUCTURAL GEOLOGY AND NUMERICAL MODELLING

The project related to the position is part of the Collaborative Research Centre SFB 526 - *Rheology of the Earth* and aims at deriving rock properties from forward modelling of mesoscopic geologic structures such as folded quartz veins. To achieve this goal, innovative numerical modelling techniques will be applied. The models will be based on a comprehensive structural and microstructural data set that has been obtained from naturally deformed rocks during previous SFB 526 projects.

Applicants must have an MSc or diploma degree in geosciences. Profound knowledge of tectonics and structural geology as well as proficiency in English is required. Preferable is basic knowledge of the finite-element technique, experience with commercial finite element codes and their application to geologic problems. A high motivation and the willingness to carry out interdisciplinary, collaborative research as an active participant of the SFB 526 are essential preconditions.

Employment will be for a fixed term of 3 years starting 1st of August, 2008, or later with a salary according to the German Civil Service salary level TV-L E13 (50%; 19,91 hours per week).

Applications including a cover letter stating your motivation to apply, Curriculum Vitae, a statement of research interests, and contact information of two referees should be sent to:

Dr. Andrea Hampel
Institut für Geologie, Mineralogie und Geophysik
Ruhr-Universität Bochum
Universitätsstr. 150
D-44801 Bochum, Germany
Phone: +49 (0) 234 27718

For further information please contact Dr. Andrea Hampel. Applications should be received by June 15, 2008. Applications will, however, be considered until the position is filled.
