Postdoctoral Researcher Position: Ice-ocean interactions of polar ice sheets using ice-flow modelling and radar data analysis

The Emmy Noether research group “Geophysics and Glaciology” (Jr. Prof. R. Drews) at the University of Tübingen, Germany, seeks a postdoctoral researcher in the field of ice-ocean interactions of polar ice sheets. Depending on the candidate’s interest, research goals are either (1) reconstruction of the ice-sheets atmospheric- and oceanographic history from the internal ice stratigraphy, or (2) development of advanced subsurface radar imaging techniques for detection of internal ice properties (e.g. ice anisotropy, ice temperature) and 3D features at the ice base (e.g. subglacial conduits). The initial contract is for 2 years with the possibility of a 2 year extension.

Applications are sought from candidates with a PhD in geophysics, environmental physics, mathematics, geosciences, engineering and related areas. Research tasks include polar/alpine fieldwork, ice-dynamic forward modelling & inversion integrating geophysical data, or development of a rover-towed system equipped with phase-sensitive radars and corresponding radar signal processing.

We are open for applications from persons with diverse backgrounds and value teamwork and personal development. The geoscience department at the University of Tübingen is one of the biggest in Germany offering many possibilities for interdisciplinary research including on ice mechanics (Prof. P. Bons, Prof. I. Weikusat) and glacial erosion (Prof. T. Ehlers).

The position is available the earliest in January 2020 but starting date is negotiable. Salary is commensurate with experience (TV-L E13, 100%). Proficiency in English is required. Interested persons should send a CV with a list of peer reviewed publications, a one-page statement of past and present research interests, and contact information for two persons familiar with the candidate’s research. Application materials (in PDF format) and questions concerning this position should be directed to Jr. Prof. Reinhard Drews at reinhard.drews@uni-tuebingen.de. Review of applications will start October 18, 2019, and the position remains open until filled.

Candidates are expected to be active participants in an international and interdisciplinary work group environment. Additional information about the “Geophysics & Glaciology” research group is available at: www.benicetoice.eu/rd/.

The University of Tübingen is committed to increasing the proportion of women in research and teaching positions and therefore encourages qualified candidates to apply. Disabled persons will be given preference if equally qualified. Employment takes place via the Central Administration of the University.