

CHALMERS

Chalmers University of
Technology

Department of Earth
and Space Science

Göteborg, Sweden



Postdoctoral position in gravimetry and geodynamics

<http://www.chalmers.se/en/about-chalmers/vacancies/Pages/default.aspx?rmpage=job&rmjob=4885>



Curiosity is the driving force behind the research at the Department of Earth and Space Sciences and our goals are to find new knowledge about space, our earth and our future energy supply. Through observations of the universe as well as earth, we make predictions about the future and promote sustainable development. To reach our goals, we develop highly sensitive measuring instruments and observational methods, as well as advanced algorithms for data analysis and theoretical models.

The department has roughly 120 employees, divided into seven research groups, one national facility and one administrative group. We are situated at campus Johanneberg and Onsala Space Observatory.

Information about the research

The Post-doc position is in the research group for Space Geodesy and Geodynamics at the Department of Earth and Space Sciences. The main interests of the research group are geodynamic phenomena and atmospheric processes and the improvement of the associated measurement techniques. We study e.g. the deformation of the Earth's crust due to mass redistribution, inter- and intra-plate tectonics, loading effects, variations in earth orientation and rotation, and the spatial and temporal variation of atmospheric water vapour. We address these research topics using a variety of observational techniques and the corresponding theoretical work. Currently we use geodetic VLBI, Global Navigation Satellite Systems, gravimeters, tide gauges, and ground based microwave radiometers. Cooperation with seismologists is established not least by way of the seismograph station at Onsala Space Observatory.

Our main working places are located there, 40 km south of Gothenburg, and—secondary—at Chalmers University of Technology in Gothenburg.

The details of the departmental research activities may be found at <http://www.chalmers.se/en/departments/rss/Pages/default.aspx>.



The period of employment is 18 months, extendable to 24 months.

The call is open until May 15, 2017.

