

**The Computational Science Center** is a research platform at the University of Vienna, headed by Otmar Scherzer, belonging to the faculties of Mathematics and Computer Science. The core research topics of the CSC are on Inverse Problems and Image Analysis. Currently we offer

## **2 Doctorate Research Positions (3 years) at the Computational Science Center, University of Vienna**

1. Within the **FWF**-funded national research network project **Geometry and Simulation – Variational Methods for Imaging on Manifolds** (<https://www.gs.jku.at/>). The position is available from **March 1st, 2016**. The duties concern research in shape registration, regularization, numerical simulations and geometric modeling, in particular of Bingham fluids. Publishing in high quality journals and collaborating with partners in the network is mandatory. The salary is as suggested by the FWF according to a doctorate position. The working load for the project is 30 hours per week.
2. Within the **DFG**-funded project **Time-Space Multiscale Separation of Ocean Tide Generated Magnetic Signals**, the position is available from **February 1st, 2016**. The duties concern research in geophysical modeling, constructive approximation, and partial differential equations, as well as numerical realization and application of the developed algorithms to magnetic satellite data. Publishing in high quality journals and networking with partners in the research priority program DynamicEarth (<http://www.spp-dynamicearth.de/spp1788-dynamicearth/>) is mandatory. The salary is as suggested by the DFG and the University of Vienna according to a doctorate position. The working load for the project is 30 hours per week.

### **Required Qualifications**

Candidates have a MSc degree (or equivalent) in Mathematics or a closely related field and have an interest in interdisciplinary mathematics. For the second position, also candidates with a MSc degree (or equivalent) in Physics/Geosciences with an adequate mathematical background will be considered. The candidates are open minded, active, and have a good command of the English and/or German language. Applications (including letter of motivation, curriculum vitae, copies of academic certificates, and a letter of recommendation) and inquiries on the position should be send to: [min.hadler@univie.ac.at](mailto:min.hadler@univie.ac.at). More information can be found on [www.csc.univie.ac.at](http://www.csc.univie.ac.at)