



The DFG-funded **Collaborative Research Center SFB 1294 “Data Assimilation – The Seamless Integration of Data and Models”**, hosted at the University of Potsdam jointly with its partner Institutions HU Berlin, TU Berlin, WIAS Berlin, GFZ Potsdam and University Mageburg invites applications for

8 doctoral and postdoctoral 3.5-year positions

in the field of data assimilation (including statistical inverse problems, dynamical systems, applied and computational mathematics, and machine learning) and its application to biophysics, neurosciences and geosciences.

The approved first funding period is 01.07.2017 to 30.06.2021. The maximum possible funding period of collaborative research centres is 12 years.

Our vision. The assimilation of time-dependent data sets into complex evolution models lead to unique mathematical and computational challenges, which provide the central theme of SFB 1294. Data assimilation is a newly emerging field, which lies at the confluence of several established research areas in mathematics and statistics on the one hand and application areas such as geosciences on the other. Our vision is to establish a rigorous mathematical underpinning of data assimilation, to develop principled computational methodologies, and to apply these methodologies to emerging application fields in the geosciences, neurosciences and biophysics.

SFB 1294 provides a fantastic research infrastructure including a large interdisciplinary network of researchers, its own graduate school, and funding opportunities for conference visits, summer schools, hosting international experts etc. SFB 1294 strives to increase the proportion of women in research. People with an immigration background are specifically encouraged to apply.

The website www.sfb1294.de provides more information on

- detailed information on the available positions
- candidate requirements and application procedure,
- payment scheme for both doctoral and postdoctoral positions

Candidate evaluation will begin after the **application deadline on October 30th, 2017**; with an anticipated start of projects on January 1st, 2018. Employment will be made according to the individual conditions of the participating institutions (TU Berlin, HU Berlin, GFZ, WIAS Berlin, University Mageburg, University Potsdam) employing the selected candidate. All institutions are equal opportunity / affirmative action employers. Applications are to be send to SFB1294@uni-potsdam.de. Please clearly indicate in the subject line, which of the projects/positions you are applying for (e.g., “A03”).

