



Postdoctoral position in

Research on Active Asteroids

Two-year fixed-term position, Salary Level E13 TV-L

The Institute for Geophysics and Extraterrestrial Physics of the Technische Universität Braunschweig is looking to fill a researcher position (Entgeltgruppe 13 TV-L) as part of Prof. Dr. Jessica Agarwal's research group, **starting from the earliest possible date for two years.**

The position includes the **following tasks:**

- preparing strategies and tools to exploit the publicly accessible future data on active asteroids and other small solar system bodies from the LSST,
- carrying out competitive research on active asteroids and related solar system bodies to understand their properties and the processes driving their activity,
- searching telescope archives for appropriate data to analyse the statistical properties of the growing group of known active asteroids,
- co-advising a PhD student studying main-belt comets,
- teaching master's and bachelor's curriculum students as an assistant to lectures and hands-on courses (about 10% FTE).

Applicants must hold a PhD degree in a relevant field, and combine proven dedication to scientific work with the ability to work in a self-organised way. Good command of written and spoken English is required. Knowledge of German will be beneficial. Experience with one or more of the following aspects can be advantageous: astronomical data acquisition and analysis, processing of large data sets, numerical simulations of (cometary) dust dynamics, study of small solar system bodies.

Applications should include a description of previous research, curriculum vitae, publication list, proposed starting date and the contact information of two potential referees. Applications should be sent by email as a single pdf file to Jessica Agarwal (j.agarwal@tu-braunschweig.de). **Review of applications will begin on 02 May 2023 and continue until the position is filled.**

The **Institute for Geophysics and Extraterrestrial Physics** offers an active and interdisciplinary scientific environment with an open and collaborative atmosphere. Key research areas include Laboratory Astrophysics, Planet Formation, Space Physics, Applied Geophysics, and Small Body Astronomy and Exploration.

With about 17 000 students and 3 800 employees, **Technische Universität Braunschweig** is the largest Institute of Technology in northern Germany. We are dedicated to creating a family-friendly environment and advocate for equal opportunities.

Remuneration is in accordance with the collective agreement TV-L, pay grade E13, the step depending on the fulfilment of personal requirements. Social security benefits are in accordance with the public service regulations.

The position is embedded in the framework of a grant from the Lichtenberg programme by the Volkswagen Foundation. Should that grant be extended beyond April 2025, it **may be possible to extend also the position advertised here**, depending on personal requirements and performance.

TU Braunschweig welcomes applicants of all nationalities. At the same time, we encourage persons with severe disabilities to apply. Applications from severely disabled persons will be given preference if they are equally qualified. Please attach a form of evidence of your handicap to your application. We are also working on the fulfilment of the Central Equality Plan based on the Lower Saxony Equal Rights Act (Niedersächsisches Gleichberechtigungsgesetz—NGG) and strive to reduce under-representation in all areas and positions as defined by the NGG. Therefore, applications from women are particularly welcome in this case.

The applicants' personal data will be stored for the purpose of processing the application. By submitting your application, you agree that your data may be stored and processed electronically for application purposes in compliance with the provisions of data protection law. Further information on data protection can be found in our data protection regulations at <https://www.tu-braunschweig.de/datenschutzerklaerung-bewerbungen>. Application costs cannot be reimbursed.

Full contact information:

Prof. Dr. Jessica Agarwal
Institute for Geophysics and Extraterrestrial Physics
Technische Universität Braunschweig
Mendelssohnstr. 3
D-38106 Braunschweig
Phone: +49 531 391 5249
Email: j.agarwal@tu-braunschweig.de