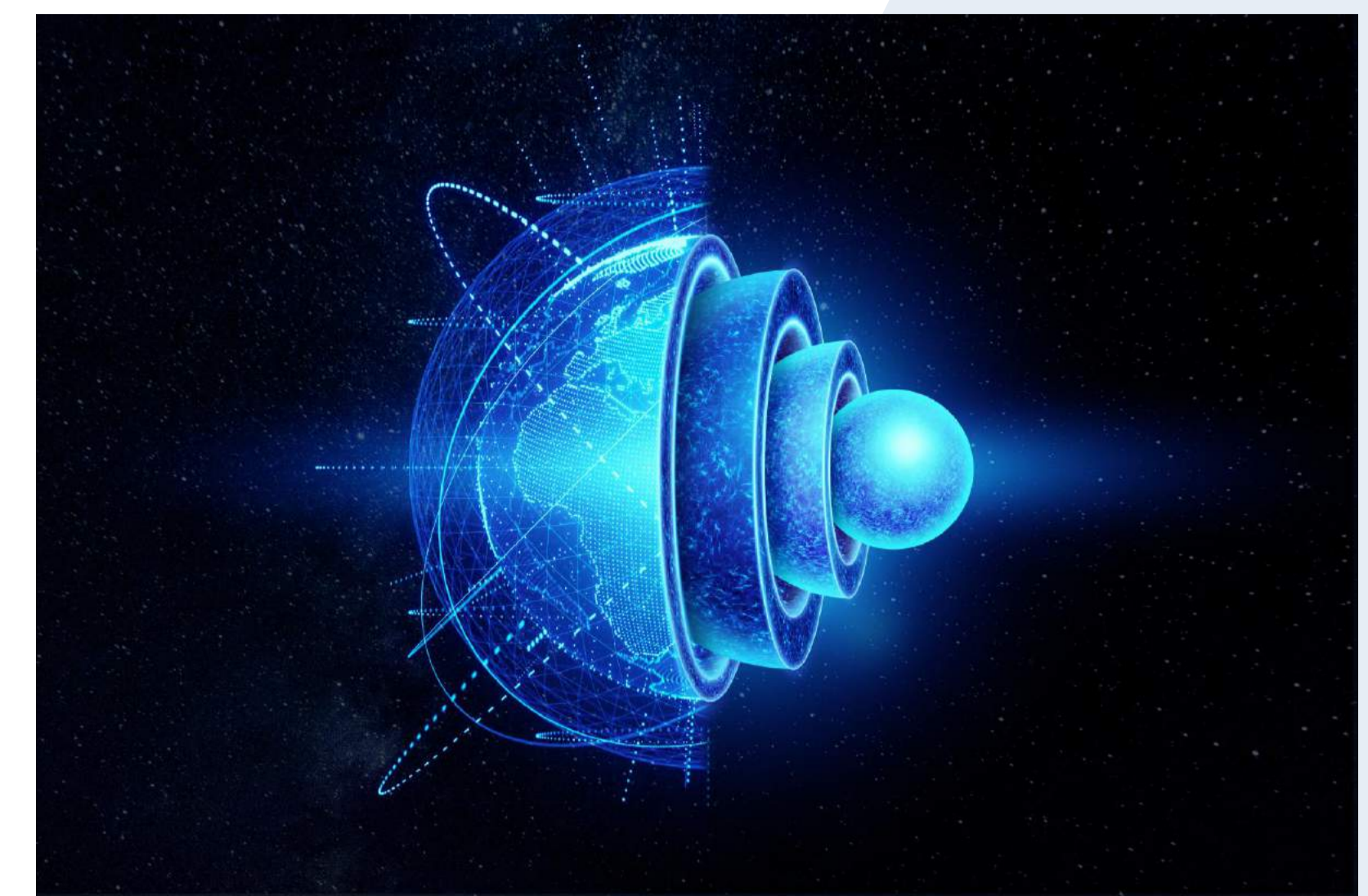


## Upcoming Seminar (Fall 2022)

Geological processes deep underneath our feet and on remote planetary objects are inaccessible for our direct observation. Yet, they are tremendously important for our understanding of how planets form and evolve. In the Geo.X series *Topics in Planetary Interiors* we invite diverse experts to highlight forefront research on the properties and processes inside Moons and Planets that provide key insights into planetary evolution.



### The presentations will be held via Zoom:

If you are interested in attending the seminar series, please contact Dr. Sergey S. Lobanov ([lobanov1@uni-potsdam.de](mailto:lobanov1@uni-potsdam.de)) for the Zoom details.

**24 October, 2022 at 19:00 (CET)**

**Prof. Dr. Sonia Tikoo-Schantz**



### Evolution of the Lunar Dynamo

Stanford University // School of Sustainability

Dynamo magnetic fields are like the heartbeats of planets – invisible, yet detectable signals of activity within a body's interior. Remnant magnetism preserved in the lunar crust and paleomagnetic studies of Apollo samples collectively indicate that the ancient Moon likely generated a magnetic field. However, the paleointensity history, longevity, and underlying driving mechanisms of the lunar dynamo are debated. Here we discuss the latest developments in our understanding of the Moon's enigmatic magnetic history.

The TiPI seminar series is organized by Sergey S. Lobanov (Uni Potsdam), Ana Plesa (DLR), Ingrid Blanchard (Uni Potsdam) and Christoph Sens-Schönfelder (GFZ). Contact: [lobanov1@uni-potsdam.de](mailto:lobanov1@uni-potsdam.de)