



**PH.D. STUDENT POSITION IN GEOPHYSICS  
INSTITUTE OF EARTH SCIENCES  
UNIVERSITY OF ICELAND**

The Institute of Earth Sciences at the University of Iceland seeks applicants to fill a Ph.D. position for three years for a project called ICE-PINT: Earth's magnetic field strength during ~13 Ma reversal event from Icelandic lava flows. The expected start date is June 1st, 2022, with earlier start dates preferred. We seek applicants with a strong commitment to research and enthusiasm to collaborate both nationally and internationally.

The aim of the project is to utilize the unique Icelandic lava sequences to study how Earth's magnetic field behaves while reversing. The selected PhD student will be an integral part of every aspect of the proposed study: fieldwork, sample preparation, reflected light microscopy and SEM imaging as well as the rock magnetic, paleomagnetic and paleointensity experiments, data processing and analysis and publication writing. The planned research includes two extensive sampling seasons in the beautiful Westfjords and East Coast during the first two summers. The candidate should therefore be fit both physically and mentally to partake these sampling trips. An emphasis is given to a multiapproach regarding the determination of the past Earth's magnetic field strength, giving the student an opportunity to learn multiple paleointensity methods (e.g. IZZI-Thellier, Pseudo-thellier, Multi-specimen) during the project. The study will help us further our knowledge on magnetic reversals, which is important for modelling the Earth's magnetic field and the geodynamo.

The project is for three years, which is the expected duration of PhD studies in Iceland. The project is fully funded by the Icelandic Research Fund (Rannis) for the whole duration of the three years. The project funds also include travel to international conferences to present the work.

**REQUIREMENTS:**

- M.Sc. degree in Geology, Geophysics, Earth Sciences or a related field
- Ability to work both independently and in a team
- Good cooperative and social skills
- Proficiency in written and spoken English
- Good communication skills, as important part of the project is to communicate research both orally at international conferences and in writing in scientific journals
- Previous experience in paleomagnetism and/or rock magnetism is favorable

**APPLICATIONS MUST INCLUDE:**

- i) A cover letter, which states your interest in the project, and what makes you qualified for the position (max two pages)
- ii) Curriculum Vitae
- iii) Certificates of education (B.Sc. and M.Sc. degree)
- iv) Contact information of two referees who can provide a recommendation letter



### SELECTION PROCEDURE:

#### Application deadline is 22/02/2022

Please apply through the University of Iceland website, [vacancies](#). All applications will be answered and applicants will be notified of the employment decision when a final decision has been made. Applications will be valid for six months from the end of the application deadline. When a decision has been made, the successful candidate will need to formally apply for doctoral studies at the University of Iceland.

### MORE INFORMATION:

For further information, please contact the PI of this project Research Specialist Elisa Piispa [piispa@hi.is](mailto:piispa@hi.is)

### SALARY:

The salary for the position will be in accordance with the current collective wage and salary agreement between the Union of University Teachers and the Minister of Finance. Appointments to positions at the University of Iceland are made in consideration of the [Equal Rights Policy](#) of the University of Iceland.

### ABOUT THE EMPLOYER:

*The University of Iceland is a growing community of knowledge and is a very dynamic and interesting workplace. Our values are academic freedom, professionalism and equality. The University strives to provide flexibility and encourages participation in the progression of the studies and research in all fields within the realm of the University.*

*The School of Engineering and Natural Sciences employs ca. 390 people involved with teaching and research. The School offers an international working environment, with the number of international employees and students increasing each year. Currently about quarter of all employees and graduate students are international. The school has around 2000 students and numerous graduate students. The School of Engineering and Natural Sciences is proud of its' diversity and reform-minded environment where knowledge acquisition and sharing is paramount.*

*More information about the University of Iceland can be found [here](#).*