

FORM FOR EMPLOYERS

INSTITUTION Institute of Geological Sciences, Polish Academy of Sciences (IGS PAS)

CITY Kraków (Research Centre in Kraków)

POSITION Adjunct (assistant professor)

DISCIPLINE Earth and related environmental sciences

POSTED 25th June 2024

EXPIRES 25th July 2024

WEBSITE www.ing.pan.pl

KEY WORDS differential stress, natural hazards, electromagnetic radiation, micro-cracks

DESCRIPTION (field, expectations, comments):

DESCRIPTION OF THE POSITION

The Fracture Induced Electromagnetic Radiation (FEMR) method has emerged as a prolific geophysical tool over the past decade, offering insights into recent crustal stresses, stress concentration within underground tunnels, the identification of landslide-prone slip planes in unstable regions, and earthquake forecasting. The physical foundation of the phenomenon consists of generating electromagnetic radiation from fractured brittle rock bodies subjected to an incremental increase in differential stress in the near-surface of the Earth's crust.

A successful candidate is expected to develop the FEMR laboratory at IGS PAS and work in basic science as well as industry-oriented projects. She/he will cooperate with the group of potential field geophysicists at IGS PAS.

The employment starts not later than on **1st November 2024**

BENEFITS AND CAREER PROSPECTS (what we offer)

- work in active research group with broad research profile;
- full-time job contract;
- remuneration based on our *Remuneration regulations*;
- other non-financial benefits like: MultiSport membership card, medical care package;
- comprehensive social benefits;
- professional development: participation in various courses, workshops, trainings
- co-funding for cultural and sports activities

REQUIREMENTS

1. PhD in Earth Sciences or Physics
2. Considerable publication record
3. Proven experience in Fracture Induced Electromagnetic Radiation (FEMR) technique
4. Interest in further academic career

REQUIRED DOCUMENTS

1. Copies of PhD and MSc diplomas
2. CV and publication list
3. Motivation letter

EVALUATION PROCEDURE

The position is to be filled not later than on **1st October 2024**

The applications will be assessed by an independent evaluation commission, whose responsibility will be to rank the candidates according to their merits and potential. Based on this assessment, IGS PAS will sign the contract with the successful candidate.

CONTACT

Please send your application documents via email to Ms. Marta Godzwon m.godzwon@twarda.pan.pl by **25.07.2024** with signed GDPR clause and consent for recruitment purposes available on our website – [GDPR – ING PAN](#).

Competition code to put in the title of your application email: **FEMR**

We will contact only selected candidates not later than **05/08/2024**

For additional information contact Prof. Stanisław Mazur; mail: ndmazur@cyf-kr.edu.pl