

ANNOUNCER'S FORM

INSTITUTION: **Central Mining Institute- National Research Institute**

CITY: Katowice

POSITION: **Professor (full-time employment)**

SCIENTIFIC FIELD: **environmental engineering, mining and power engineering**

ANNOUNCEMENT DATE: **12.09.2024**

TENDER SUBMISSION DATE: **04.10.2024**

WEBSITE LINK: www.gig.eu

KEYWORDS: professor, mining seismology, engineering geophysics

Workplace:

Central Mining Institute – National Research Institute

Department of Geology, Geophysics and Surface Protection

Katowice, Plac Gwarków 1

Description of the tasks performed at the position:

1. Conducting scientific activities, including research and publications in the field of mining seismology, and engineering geophysics in mining and post-mining areas.
2. Tracking progress in world science in terms of research topics and initiating new topics of scientific research in the field of mining induced seismology and engineering geophysics in mining areas.
3. Carrying out research in the field of mining geophysics, in particular the hazard caused by induced seismic phenomena, including the development of documentation of research and expert opinions.
4. Improving the methodology of geophysical research in the field of methods for assessing and monitoring seismic and rock burst hazards in underground mines, seismic risk and surface infrastructures hazards, and determining zones of increased sinkhole hazard.
5. Preparing research projects in the field of geodynamic threats in mining and post-mining areas.
6. Managing a research project in the field of induced seismicity
7. Interpretation of seismic phenomena and creation of induced seismicity databases
8. Publishing the results of own scientific research, research as part of research projects and statutory works

Requirements for the candidates:

1. Academic title: professor of engineering and technical sciences.
2. Scientific competences in the field of seismology of induced seismic phenomena and mining geophysics.
3. Authorship and co-authorship of methods for research, assessment and monitoring of seismic and rock burst hazards in underground mines, seismic risk and land surface hazards.
4. Documented scientific achievements in the application of methods for assessing the impact of seismic vibrations in the near wave field on underground workings and tunnels and on surface infrastructure, monitoring rotational vibrations.
5. Publication achievements on topics related to the required scientific competences.
6. Experience in preparing, implementing and managing Polish and international research projects and experience in managing and implementing orders in the area of required scientific competences.
7. Experience in leading a research team

List of required documents:

- 1) application for employment as a professor,
- 2) CV,
- 3) copies of documents confirming education, including copy of the diploma of academic title of professor,
- 4) description of professional experience,

- 5) information on the candidate's scientific interests and current achievements in research and development (list of publications, obtained patents, participation in national and international research projects, etc.),
- 6) copies of documents confirming the fulfilment of the competition requirements;
- 7) candidate's declaration on the acceptance of the contest terms and conditions and a personal survey of a candidate applying for employment.

Tender submission term and location:

Job offers with the full set of documents should be e-mailed to rekrutacja@gig.eu; filed personally at the GIG General Administrative Office or mailed to: Central Mining Institute - National Research Institute, 40-166 Katowice, Plac Gwarków 1 Poland by 04.10.2024r.

The tenders should be marked as: 11/2024 – Professor -BH
Estimated selection end date; November 2024