

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: 04.10.2023

TENDER SUBMISSION DATE: 22.10.2023

WEBSITE LINK: www.gig.eu

KEYWORDS: professor, geology, geomechanics, mining, power engineering,

Workplace:

Central Mining Institute - National Research Institute

Department of Mechanical Testing and Materials Engineering (BL)

Mikołów, ul. Podleska 72

Description of tasks performed at the position:

1. Conducting scientific activities, including research and publications in the field of mining geomechanics, engineering and mining geology.
2. Tracking the progress in global science in terms of research topics and initiating new topics of scientific research.
3. Carrying out the rock and rock mass quality studies for the purposes of broadly understood geoengineering, including the development of geological and engineering documentation, documentation of research and development works, research and service works, and expert opinions.
4. Improving the methodology of geomechanical research in the field of methods for determining the quality of rocks in laboratory and in situ conditions, the quality of the rock mass and the assessment of the liability of rocks and rock mass to rock-bumps and the occurrence of geodynamic hazards - rock bursts in hard coal mines.
5. Developing accredited methods for testing the geomechanical properties of rocks, mineral composites and resins and authorizing reports on these tests.
6. Preparing research projects.
7. Publishing the results of own scientific research, research within the framework of research projects and statutory work.

Requirements for a candidate applying for the position of an assistant:

1. Academic title: *professor of engineering and technical sciences*.
2. Scientific competences: mining geomechanics, engineering geology and mining geology.
3. Must have a geological license in category VI to perform, supervise and direct geological work.
4. Authoring and co-authoring methods for the study and assessment of geomechanical hazards for coal underground mining in terms of rock and rock mass properties and for the assessment of water reservoirs and water hazards.
5. Documenting scientific achievements in the application of geomechanical research methods to assess changes in the state of the rock mass in connection with processes related to the flooding of liquidated mines.
6. Publication achievements on topics related to the required scientific competences.
7. Experience in preparing and implementing research projects and experience in directing and executing assignments with topics in the area of required scientific competence.
8. Experience in leading a research team in an accredited laboratory testing the physical properties of rocks and experience in authorizing reports from these tests.

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) 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:

Tenders 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: Główny Instytut Górnictwa – Dział Prawno-Organizacyjny i Kadr, Plac Gwarków 1, 40-166 Katowice;
Application deadline is 15.10.2023r.

The tenders should be marked as: 4/23 – Profesor Zakład BL

Estimated competition end date - November 2023.