

ANNOUNCEMENT OF THE CONTEST

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

City: **Katowice**

Position: **Assistant Professor**

Scientific discipline: **physical sciences, environmental engineering, mining, and power engineering**

Date of announcement: **03.10.2025**

Closing date for delivery of applications: **22.10.2025**

Link to the website: www.gig.eu

Keywords: **assistant professor, technical acoustics, metrology, mining**

Place of work:

Central Mining Institute - National Research Institute

Department of Acoustics, Electronics, and IT Solutions

Job description:

- 1) Scientific activity, including research work and publication of results in the area of technical acoustics and metrology.
- 2) Research into the detection of damage to mechanical structures, including quality control of support systems in mining openings (sporadic underground research works).
- 3) Research into the influence of vibrations on building structures, other objects of civil engineering, and residents (potential measurements at heights above 3 m).
- 4) Metrology of measurement systems and other equipment used in the field of acoustics and vibrations.
- 5) Analysis of vibroacoustic signals, including modal analysis.
- 6) Modeling of objects and structures using the finite element method (FE).
- 7) Maintaining quality systems specified in PN-EN ISO 17025 and PN-EN ISO 9001 standards.

Requirements for the position:

- 1) Ph.D. in technical-engineering sciences or physics.
- 2) Experience in analytical and design processes in the scope of vibroacoustic influence on mechanical objects and people, including damage detection.
- 3) Good knowledge of quality systems ensuring competence, impartiality, and consistent operation of calibration and testing laboratories.
- 4) Experience in the field of metrology.
- 5) Scientific achievements in the required scientific and research competences (realized research works and projects, publications).
- 6) Proven skills in English (certificate) at a level not less than B2.

List of required documents:

- 1) Application for the Assistant Professor position.
- 2) CV.
- 3) Copies of Ph.D. diploma and other relevant diplomas or certificates.
- 4) Description of professional experience
- 5) Brief information about the candidate's scientific interests and current achievements in research and development, particularly around required scientific competences (list of

publications, patents obtained, 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 Central Mining Institute - National Research Institute, 40-166 Katowice, Plac Gwarków 1 Poland by 22.10.2025r.

The tenders should be marked as: 4/2025 – Adiunkt BR
Estimated selection end date - November 2025