ADVERTISER FORM

INSTITUTION: Institute of Power Engineering – National Research Institute, Gdańsk Division

CITY: Gdańsk

POSITION: **Assistant**

SCIENTIFIC DISCIPLINE: Environmental engineering, mining, and energy

DATE OF ANNOUNCEMENT: **16-01-2026**

SUBMISSION DEADLINE: **18-02-2026**

WEBSITE LINK: www.ien.gda.pl/pl/praca-i-praktyki

KEYWORDS: power system, artificial intelligence, neural networks, machine learning, dynamic line rating, weather forecasting, design and commissioning of measurement systems

DESCRIPTION (subject, expectations, remarks):

The Institute of Power Engineering – National Research Institute, Gdańsk Division, announces a competition for the position of Assistant. Due to the specific nature of the workplace, the candidate is required to possess knowledge and skills concerning the operation of power grids across all voltage levels, as well as the acquisition and retrieval of measurement data used in machine learning and neural network processes. Furthermore, the candidate must have experience in conducting scientific research and implementation projects within the power industry—both in a professional office environment and on-site at power facilities—including the publication of results in national and international industry journals.

Place of work:
Institute of Power Engineering – National Research Institute
Gdańsk Division bb
ul. Mikołaja Reja 27
80-870 Gdańsk
Polska

Tasks / Role in the team:

- Conducting research and development work on Smart Grid systems, particularly in the scope of power grid state estimation using artificial intelligence methods,
- Development and validation of dynamic models and control algorithms in a real-time environment, particularly in RTDS (Real-Time Digital Simulator) simulation systems,
- Developing, improving, and testing applications in the area of WAMS (Wide Area Monitoring Systems), using synchrophasor measurements (PMU), to monitor and visualize the state of the power system and detect islanding operation,
- Participation in work related to the implementation and integration of Dynamic Line Rating (DLR) systems with dispatch systems at domestic DSOs and TSOs,
- Developing, integrating, and testing test stands using the RTDS simulator and Hardware-in-the-Loop (HIL) techniques, covering the area of professional power engineering, including testing RES devices and control systems for compliance with NC RfG requirements and certification,
- developing algorithms for forecasting weather conditions and electric power balance for the energy sector,
- Participation in commissioning and prototype testing of solutions in the field of dynamic line rating,

- Implementation of research results in the industry.

Requirements:

- master of Science degree in technical sciences; preferred field of study: Automation, Power Engineering;
- documented scientific achievements in the discipline of environmental engineering, mining, and energy;
- good command of the Polish and English language – sufficient for fluent oral communication, reading scientific and technical literature, and drafting own scientific and technical texts;
- practical knowledge of the RTDS (Real-Time Digital Simulator) environment and experience in HIL simulations and WAMS application testing;
- knowledge of dynamic line rating systems and experience in integrating these systems for distribution system operators and the transmission system operator;
- experience working with Data Science and Artificial Intelligence (AI) libraries (e.g., Tensorflow, PyTorch, Pandas, NumPy) and knowledge of machine learning algorithms;
- knowledge of Python and SQL.
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We offer:

Salary: in the range of PLN 12,900 to PLN 16,400.
Form of employment: employment contract - full-time.
Benefits: increased annual leave (36 days) in accordance with the Act on Research Institutes, Journal of Laws 2010 No. 96 item 618, as amended. changes, an additional day off on the occasion of Energy Day, private medical care, the possibility of using the company gym, flexible working hours, the possibility of remote work.
Development opportunities: English classes, training, participation in conferences.

Required documents:

- application for employment for the position of Assistant,
- Curriculum Vitae (CV),
- copy of the Master of Science diploma in technical sciences,
- self-presentation containing concise information about scientific interests, past scientific and implementation achievements, participation in domestic and international research projects, and foreign language proficiency,
- list of publications,
- other documents confirming the candidate's qualifications (e.g., language certificates, letters of reference),
- SEP qualifications for work on power installations above 1kV,
- candidate's statement on exercising full public rights and having no criminal record for intentional crimes prosecuted by public indictment or intentional fiscal crimes,
- statement of consent to the processing of personal data in accordance with the Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (Official Journal of the EU L 119),
- Templates of statements are available at www.ien.gda.pl in the "Praca i Praktyki" (Work and Internships) tab.

Document submission deadline: until 18-02-2026r

Place of document submission:

Send documents to the address: kadry@ien.gda.pl or as below:
Institute of Power Engineering – National Research Institute
Gdańsk Division

ul. Mikołaja Reja 27
80-870 Gdańsk
3rd floor, Room 308

Candidate selection procedure:

1. The following are taken into account when evaluating candidates' qualifications:
   - scientific and implementation achievements,
   - knowledge of foreign languages,
   - compatibility of the candidate's qualifications and research interests with the needs of the Institute
2. The Competition Committee, appointed by the Order of the Institute Director, may request the candidate to submit additional documents documenting their qualifications and scientific achievements. In the event of failure to submit the required set of documents, the Committee shall summon the candidate to complete them within 3 calendar days from the date of receipt of the request for supplementation, under pain of rejection of the application for employment.
3. After evaluating the submitted documents, the Committee establishes a recommendation list of candidates and submits it to the Division Director in order to select a candidate meeting the requirements specified in the announcement.
4. the Division Director may seek the opinion of the Local Section regarding the selected candidate.
5. The results of the competition are made public, and candidates receive information independently

With regard to GDPR, we kindly inform you

Pursuant to Article 13 ust. 1 i ust. 2 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/WE (hereinafter referred to as GDPR), we kindly inform you that:

- The Controller of your personal data is: Instytut Energetyki – Państwowy Instytut Badawczy (Institute of Power Engineering – National Research Institute) with its registered office at ul. Mory 8, 01-330 Warsaw, instytut.energetyki@ien.com.pl.
- The Data Protection Officer (DPO) can be contacted regarding the protection of your personal data via e-mail at: odo@ien.com.pl or by mail to the Controller’s address provided above.
- The purpose of processing your personal data is to conduct the recruitment process and for other purposes specified in separate consents, should you choose to provide them.
- The legal basis for processing is Article 6(1)(a) and (f) of the GDPR. This means the data subject has given consent to the processing of their ordinary personal data by the act of submitting an application in response to the employer’s job advertisement. The legitimate interest pursued by the Controller (art. 6 ust. 1 lit f) is the pursuit of legal claims under applicable law.
- Providing data is voluntary, but necessary to participate in the recruitment process. The scope of data required for participation is defined by Article 22^{1} of the Labor Code and includes:
    - first name(s) and surname,
    - date of birth,
    - contact information,
    - education,
    - professional qualifications,
    - employment history,

- Recipients of your personal data may include:

    1. Authorized public authorities,
    2. Postal service providers,
    3. Entities providing document destruction services,

4. Entities providing maintenance and support for the Controller's IT equipment and systems.

- Data retention: Your data will be destroyed immediately after the recruitment process is completed. If consent is given, the data will be destroyed after a period of 3 months from the conclusion of the recruitment process.

- You have the right to:

1. Access your personal data and request a copy,
2. Rectify your personal data,
3. Request the restriction of processing,
4. Data portability,
5. Withdraw consents,
6. Erasure of data.

Regarding data processed based on the Controller's legitimate interests, you have the right to object to the processing of your personal data.
You may exercise these rights by contacting the Controller in writing or via e-mail.

- The right to lodge a complaint: You have the right to lodge a complaint with the supervisory authority. In Poland, this is the President of the Personal Data Protection Office (PUODO)

- Consent for the processing of personal data is voluntary; failure to provide consent will result in your personal data being excluded from the recruitment process;

CONSENT:

1. I consent to the processing by the Gdańsk Branch of the National Research Institute of Power Engineering of special categories of personal data specified in Article 9 of the GDPR contained in the application documents submitted by me on my own initiative.
2. I consent to the processing of my personal data sent for the purposes of recruitment conducted by the Institute of Power Engineering - National Research Institute, Gdańsk Branch, within 3 months of the end of this recruitment process, for the purpose of using it in subsequent recruitment processes for other or similar positions.

The Energy Research Institute - National Research Institute, Gdańsk Branch reserves the right to withdraw from the recruitment process at any time and without giving a reason.