

FORM FOR EMPLOYERS

REFERENTION NUMBER: 2025-WIM-Ad-001

INSTITUTION: Military University Of Technology, Faculty of Mechanical Engineering

CITY: Warsaw

POSITION: assistant professor

DISCIPLINE: mechanical engineering

POSTED: 17.01.2025

EXPIRES: 17.02.2025

PERIOD OF EMPLOYMENT: permanent contract from 1.03.2025

WEBSITE: <https://bip.wat.edu.pl/ogloszenia/praca/dla-nauczycieli-akademickich>

KEY WORDS: mechanical engineering, mechanics and machine design

DESCRIPTION: (field, expectations, comments):

A candidate for the position of assistant professor within the group of research and teaching staff should possess appropriate education and experience in teaching, supported by practical competencies gained from research and development work and/or professional practice. In particular, the candidate is expected to demonstrate experience in teaching topics such as the design of mechanical component solutions using CAD software and various manufacturing techniques, with particular emphasis on subtractive machining and additive manufacturing techniques. Beyond the teaching process, the candidate should also have skills related to the planning and execution of fatigue tests of mechanical components in drive systems, as well as measurements related to material structure and geometric accuracy. Given the responsibilities associated with a research and teaching position, it is essential for the candidate to have experience in developing and publishing research results in scientific journals and at both national and international conferences. The candidate is also expected to possess a high level of soft skills, particularly in the areas of work organization, time management, logical and analytical thinking, personal culture, and teamwork.

Admission requirements:

- Compliance with the requirements provided in „art. 113 ustawy z dnia 20 lipca 2018 r. Prawo o szkolnictwie wyższym i nauce (tekst jedn. Dz.U. z 2022 r., poz. 574)”;
- Possession of a doctoral degree in the field of technical sciences, discipline: mechanical engineering;
- Possession of predispositions for teaching and research activities;
- Scholarly achievements in the discipline of mechanical engineering (publications in peer-reviewed journals and other recognized publications, including at least five articles in journals listed by the Ministry of Science and Higher Education with a minimum of 140 points, published within the last 3 years);
- A minimum Hirsch index of 6 (according to Scopus and WoS databases);
- Documented participation in scientific conferences (including at least one international conference);
- Documented participation in at least three research and development projects funded by the National Centre for Research and Development (NCBR);
- Experience in conducting fatigue tests on mechanical components of drive systems;
- Documented at least three years of teaching experience at a higher education institution, including teaching courses on topics such as mechanical component design using CAD software, subtractive machining, and additive manufacturing;
- Knowledge of mechanics and machine construction, engineering graphics, computer modeling, additive manufacturing, and reverse engineering;
- Documented proficiency in software for creating 3D technical documentation of machine parts (SolidWorks, Autodesk Fusion 360);

- Knowledge of surface digitization software (GOM Scan, GOM Inspect) and preparation of additive and subtractive manufacturing processes (Magics 19, Netfabb, Simplify 3D, Prusa Slicer, Esprit);
- Documented knowledge of additive manufacturing systems in SLM technology and experience in additive manufacturing processes using metallic powders;
- Documented knowledge of additive manufacturing systems in SLS technology and experience in additive manufacturing processes using polymer powders;
- Documented knowledge of additive manufacturing systems, as well as experience in operating FFF/FDM additive manufacturing devices;
- Documented proficiency in the CALYPSO software with the gear measurement module and the ability to operate a coordinate measuring machine;
- Knowledge of experimental research on structural materials, including structural and microstructural analysis, static and fatigue tests. Experience with a confocal microscope and microhardness tester will be an additional asset;
- Familiarity with distance learning systems (Windows Teams, ZOOM) and advanced proficiency in the MS Office suite, including MS Excel, MS PowerPoint, MS Word;
- Proficiency in Polish, both spoken and written (a minimum B2 certificate for non-native speakers);
- Good command of English (minimum B2 level).

The competition application should include:

- Application for employment addressed to the Rector of the Military University of Technology (WAT);
- Personal questionnaire; curriculum vitae (CV); information on scientific interests, academic achievements, teaching experience, and organizational contributions;
- Copies of diplomas and other documents confirming the qualifications held;
- Statement of consent to the processing of personal data contained in the job application, in accordance with the Act of May 10, 2018, on the Protection of Personal Data (Journal of Laws 2018, item 1000, as amended);
- Statement of no criminal record;
- Statement confirming whether the Academy will be the primary place of employment.

Documents, with the reference number 2025-WIM-Ad-001, should be submitted till 17.02.2025:

- in person to the secretary's office / at the front desk
- by post: at the Military University of Technology, Faculty of Mechanical Engineering, gen. Sylwester Kaliski 2 Street, 00-908 Warsaw 46
- by e-mail/fax dziekan.wim@wat.edu.pl, +48 261 839 140

Additional information can be obtained by telephone: +48 261 837 899

Document`s template can be found on:

<https://bip.wat.edu.pl/ogloszenia/praca/wzory-dokumentow-dla-kandydatow>

The competition will be adjudicated no later than two weeks after the competition deadline

The course of the competition is the first stage of employing procedure of candidate as academic teacher in Military University of Technology defined in Military University of Technology statute. The final decision regarding employment of a person selected in the course of the competition is made by the Rector of Military University of Technology.

The application documentation of candidates that are rejected will be destroyed by the evaluating committee.

The Military University of Technology does not provide accommodation.