**FORM FOR EMPLOYERS**

INSTITUTION: **MILITARY UNIVERSITY OF TECHNOLOGY**

CITY: **WARSAW**

POSITION: **Assistant professor**

DISCIPLINE: **Materials science**

POSTED: **June 12**th

EXPIRES: **22**th **July 2019**

PERIOD OF EMPLOYMENT: **Indefinite period of time**

WEBSITE: [**www.wat.edu.pl**](http://www.wat.edu.pl)

**KEY WORDS:** general physics,semiconductors physics, photonics, electronic transport, infrared detection, low bandgap materials, mobility spectra analysis, magnetotransport, semiconductor superlattices, numerical modeling of electronic transport.

**DESCRIPTION (field, expectations, comments):**

Candidate for assistant professor should be characterized by at least elementary experience in teaching and research work. It should be documented with publications cited in international databases (Scopus, Web of Science) from discipline of material science or related. The scientific achievement of candidate should be confirmed by its h-index no less than 5 given in the Scopus base (excluding self-citations). In terms of scientific and research tasks this employee will be responsible for: electrical and electro-optical measurements of semiconductors, semimetals and low-dimensional structures under magnetic field; numerical simulations of electronic transport; selected aspects of production and processing of these semiconductive materials.

**Admission requirements:**

* High activity in scientific project realization as project’s manager and performer (min. 10 projects in total).
* Good skills in English (specially technical).
* PhD Eng degree with thesis subject related directly to mentioned research field.
* Authorship / co-authorship of scientific papers related to the job description (minimum 15 publications and conference materials in English indexed in the Scopus database, including the first or second co-authorship in min. 10 publications).
* A minimum of 2 years of professional experience directly related to operation and maintenance of superconducting magnets cooled with methods of closed helium circulation (*cryo-free*), good knowledge of vacuum techniques.
* Excellent knowledge of the NI Labview programming environment.
* Confirmed by publication / diploma knowledge of ability to create numerical programs for enumeration of: band structures for bulk materials or superlattice quantum wells under thermodynamic equilibrium and later electric charge carrier transport analysis (especially in the case of low band gap semiconductors: HgCdTe, InAs, InAsSb, 2nd type superlattices, etc.). Excellent knowledge of generation and recombination mechanisms for these materials.
* Knowledge of issues related to the mobility spectra designation and analysis confirmed by publications.

**The competition application should include:**

* a letter of application to the Rector of the Military University of Technology;
* candidate’s questionnaire;
* professional CV including scientific interests; scientific, didactic and organizational achievements;
* copies of diplomas and other documents confirming / proving the candidate's qualifications;
* a declaration of consent to process personal data included in the job application in accordance with the Data Protection Act of 10th May, 2018 on the protection of personal data (Journal of Laws of 2018 item 1000);
* a statement that the candidate/applicant has full capacity to act according to the law in force;
* a declaration of no charges within a final judgment of a deliberate crime;
* a declaration of no charges within the disciplinary procedure of the deprivation of rights to practice the profession of academic teacher on a permanent or fixed-term basis/contract;
* a declaration on the full use of civil rights;
* a declaration stating whether MUT is the core or non-core workplace for the applicant;

**Documents should be submitted by 22th** **July 2019**

* in person to the secretary's office at the front desk, **build 100/151,** by post: Military University of Technology, faculty of Advanced Technology and Chemistry, 2 gen. Sylwestra Kaliskiego Str. 00-908 Warsaw, Poland
* by e-mail/fax: [**stanislaw.cudzilo@wat.edu.pl**](mailto:stanislaw.cudzilo@wat.edu.pl), **261 839 470**

**Additional information can be obtained by phone: 261 839 014, 261 839 215, 261 839 450**

The competition will be adjudicated no later than two weeks after the competition deadline.The competition will be adjudicated no later than two weeks after the competition deadline. The competition is the first stage of the procedure specified in the statute of Military University Technology, which concerns to the employment in the academic teacher position. His positive decision is the basis for further proceedings. However, the final decision about employing a person selected through the competition is taken by the MUT Rector.

The University reserves the right not to resolve the competition without giving a reason.

The Military University of Technology does not provide accommodation.

After the end of the recruitment process, offers that do not meet the formal requirements and all other offers, except the chosen candidate one, will be destroyed after one month from the day of the competition procedure completion.