UNIWERSYTET WARSZAWSKI

FACULTY OF PHYSICS
UNIVERSITY OF WARSAW

COMPETITION ANNOUNCEMENT

The Dean of the Faculty of Physics, with the consent of the Rector of the University of Warsaw, announces a competition for the position of **Assistant Professor** at the Institute of Geophysics, Faculty of Physics.

Position details:

Position title	Assistant Professor
Organisational unit	Institute of Geophysics
Employment group	Research and teaching
Position profile[1]	R2
Academic discipline[2]	Physical sciences
Number of positions	1
Form of employment and length of working time (proportionally to full-time employment)	Employment contract, full-time
Expected date of commencement of work and employment period	01.01.2027
Remuneration	9230 zł brutto/month + seniority bonus + 13th (additional annual remuneration) More information: link
Other working conditions	Workplace: Photonics Department, Institute of Geophysics, Faculty of Physics, University of Warsaw. Pasteura 5, 02-093 Warsaw. We offer candidates: • The opportunity to carry out interdisciplinary research combining the fields of photonics, materials engineering, biotechnology and physics; • The chance to help develop groundbreaking solutions in the field of photonics; • Collaboration with leading research teams in Poland and abroad, and access to state-of-the-art research infrastructure; • The opportunity to build a strong, international portfolio of publications and patents; • Stable employment under a contract of employment. More information: link
Basic responsibilities and obligations	The role will involve participation in the following tasks: • Conducting research in the field of fibre-optic optics and photonics; • Delivering lectures; • Designing and constructing experimental set-ups and carrying out experiments; • Disseminating research findings through publications; • Preparing technical reports on the work carried out;

[1] Complete only in the case of competition for the position in the research employment group or the research and teaching employment group.
[2] Complete only in the case of competition for the position in the research employment group or the research and teaching employment group.

	• Collaborating with international partners. More: General scope of duties of an academic teacher
Conditions for entering the competition[3]	Candidates for the post of Assistant Professor within the research and teaching staff must meet the requirements set out in the University of Warsaw Statutes: • Fulfilment of the requirements set out in Article 113 of the Law on Higher Education and Science (Journal of Laws of 2024, item 1571, consolidated text) • Hold a PhD in physics or a related field; • Have a proven track record of significant research achievements in the field of physics, including publications in reputable international scientific journals listed in the JCR database; • Knowledge of advanced research techniques in the field of fiber optics and photonics; • Experience of working in an optical and photonic laboratory; • Experience in the automation of measurement processes; • Experience of teaching courses in optics; • Knowledge of techniques for modeling optical phenomena; • Proficiency in spoken and written English at a minimum B2 level.
In addition, we expect[4]	• Knowledge of topics in optics, photonics and related scientific fields; • Knowledge of software for conducting physics experiments, e.g. LabView, Matlab, Python; • Ability to work in programming environments such as: Comsol, Ansys Lumerical, Ansys Optical Studio, Matlab, Python; • Programming skills (Python, MATLAB, others); • Ability to work with measuring equipment; • Ability to work with data acquisition systems; • Ability to solve technical problems; • Creativity and good communication skills. Should the successful candidate be appointed, we expect the University of Warsaw to be their primary place of work.
Criteria for the assessment of candidates in a competition	**1. Scientific achievements (40 pkt.)** • The number and quality of research publications (including those in JCR-listed journals), assessed in the context of the candidate's length of research career; • Participation in research projects (national and international); • Presentations at academic conferences. • Internships at research centers and technology companies; • Awards, scholarships, and other honors received for academic work and other educational achievements; **2. Research experience and competencies (40 pkt.)** • Relevance of experience to the research topic; • Knowledge of tools, methods, and techniques relevant to the work of a research and teaching assistant. **3. Soft and organizational skills (20 pkt.)** • Communication skills and ability to work in a team; • Independence in planning and conducting research; • Ability to present results (both orally and in writing). Total to obtain: 100 points from each committee member. The successful candidate will be the one who meets the eligibility criteria for the competition and achieves the highest number of marks, provided this is not less than 60 % of the total number of marks available.
Position ~~related~~/not related[5] to activities covered by the protection of minors.	

[3] Required by the Act, the Law on Higher Education and Science, the Statute of the University of Warsaw, as well as necessary for the position.
[4] Additional conditions to be met; however, not meeting them will not lead to a negative formal assessment.
[5] Delete as appropriate.

Competition rules:

Announcement reference number	**WF-1210-21/2026**
Keywords	Specialized optical fibers, structured optical fibers, fiber-optic sensors, quantum sensors, fiber lasers, mid-infrared, fiber-optic imaging, modeling
Deadline for submitting applications[6]	**30.11.2026, 23:59 pm**
Method of submitting an application	Stationary to the following address: **Institute of Geophysics, Faculty of Physics, University of Warsaw,** Pasteura 5, 02-093 Warsaw, loc. B4.41, or send to the following address **sekretariat.IGF@fuw.edu.pl,** in electronic form (with the subject line „Competition Assistant Professor IGF**”**)
Required documents	• Candidate's questionnaire link • CV containing a detailed description of qualifications and experience, confirming that the candidate meets the requirements and is capable of performing the duties specified in this vacancy notice; • Copies of documents confirming education and qualifications. • A list of publications and conference presentations, with a description of the candidate's own contribution; • A list of projects in which the candidate has participated, with a description of the candidate's own contribution. • Letter of recommendation from at least two academic teachers sent by the authors directly to sekretariat.IGF@fuw.edu.pl. Please ensure your application is complete and submitted by the indicated deadline!
The competition is the first stage of the recruitment process. Please read the Policy of Open, Transparent and Merit-Based Recruitment at the University of Warsaw link	
Stages of competition	The competition consists of the following stages: • Stage I - formal evaluation of documents, • Stage II - substantive evaluation on the basis of submitted documents, • Stage III - interview with selected candidates, • Stage IV - final evaluation of competence, experience, and scientific achievements, • Stage V - adjudication of the competition and announcement of results.
Anticipated date and method of notification of the competition outcomes	Candidates will be notified of the competition outcome by **15 December 2026** via email.
Contact for any questions relating to the competition	Ryszard.Buczynski@fuw.edu.pl with the announcement reference number Accessibility needs should be indicated on the Candidate's Questionnaire, in: Other relevant information from a candidate

Employing faculty/unit:

Research profile of faculty /unit	The Faculty of Physics at the University of Warsaw is one of the largest and most renowned physics centers in Poland and Central and Eastern Europe. It conducts world-class research across almost all classical and modern fields of physics – from theoretical physics and elementary particles, through astrophysics and cosmology, to condensed matter physics, optics and photonics, statistical physics, biophysics, nanotechnology, and quantum physics. The Photonics Department is one of the strongest and most active units of the Faculty of Physics at the University of Warsaw in the field of optics and photonics. It specializes in: special optical fibers (nanostructured, antiresonant, all-solid, micro-optofluidic, free-form), generation and propagation of structured beams, nonlinear optics and supercontinuum, fiber

[6] Not sooner than 30 days from the date of publication of the announcement.

	lasers and amplifiers, optical sensors, micro- and nano-optics, phase elements produced by nanostructuring and hot extrusion methods. The Photonics Department conducts both basic and applied research (sensors, MIR lasers, medical imaging, free-space communication). It cooperates closely with industry and implements numerous international and national projects (NCN, FNP, Horizon Europe, NCBR).
Teaching profile of faculty/ unit	The Faculty of Physics at the University of Warsaw offers one of the most comprehensive and recognized physics programs in Poland. It educates students at three levels (bachelor's, master's, and doctoral) in several specializations, combining classical theoretical and experimental physics with modern applied fields. The main fields of study are: • Physics, • Technical Physics, • Medical Physics, • Nanotechnology, • Astrophysics and Cosmology (in English), • Quantum Information (in English), • Advanced Materials and Nanotechnology (in English). Lectures and classes are conducted by active scientists, many of whom are recipients of ERC, NCN MAESTRO, and FNP grants, as well as authors of publications in renowned journals. As a result, students often co-author publications in high-IF journals while still in their master's programs. The Department of Photonics plays a key role in educating specialists in the field of optics, photonics, and fiber optic technologies: • Fundamentals of optics and photonics, • Special fiber optics and its applications, • Optoelectronics and fiber optic lasers, • Optical spectroscopy and optical sensors, • Nonlinear optics and supercontinuum generation, • Micro- and nano-optics, metamaterials, • Antiresonant and hollow-core optical fibers, • Generation and propagation of structured beams, • Technologies for manufacturing photonic components (nanostructuring, hot embossing).
Other information	

The University of Warsaw has implemented procedures for whistleblowers to report cases of law violation and for undertaking follow-up actions. For **more information** about this topic and the processing of candidates' personal data, please follow the link

The University of Warsaw is a winner of the HR Excellence in Research award granted by the European Commission to institutions adhering to the European Charter for Researchers.

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