

University of Pardubice, Faculty of Electrical Engineering and Informatics
hires 1 worker for the position

Foreign Researcher I

(for the project called Multi-sector and Interdisciplinary Cooperation in Research and Development of Communication, Information and Detection Technologies for Control and Signalling Systems (CIDET) – CZ.02.01.01/00/23_021/0008402)

FACULTY: Faculty of Electrical Engineering and Informatics
DEPARTMENT/INSTITUTE: Research Centre of the Faculty of Electrical Engineering and Informatics
WORK POSITION: Researcher
CATEGORIZATION ACCORDING TO THE EUROPEAN COMMISSION: R4 – Leading Researcher
WORKING HOURS IN THE PROJECT: 40 hours per week
ESTIMATED START: 1. 6. 2025

FIELD OF RESEARCH:

Fields according to Web of Science (WoS)

- ENGINEERING, ELECTRICAL & ELECTRONIC
- COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

DESCRIPTION OF THE WORK POSITION:

- Implementation of independent research and development work within the CIDET project.
- Cooperation with expert teams involved in the solution of the research direction devoted to the research and development of progressive methods of detection, identification, classification and tracking of objects of different sizes, shapes and speeds of movement using elements of artificial intelligence and machine learning.
- Research work will include analysis and processing of research data, including its management according to the FAIR principles, systematic preparation of publications in the given field with the potential of their publication in Jimp Q1-Q2 journals according to JIF WoS in the field of research on progressive methods of object detection, identification, classification and tracking.
- Publication activities will include: realization of Jimp-type publication results, particularly, 1 Jimp publication output accepted for the peer review for every 3 months of the employment contract.
- The offered position does not require teaching duties.

NECESSARY QUALIFICATION REQUIREMENTS:

- education at least at PhD level or higher;
- during the last 5 years, at least 2 full years working outside the Czech Republic in the field of science and research at minimum of 50% full-time work load or completing at least 2 years of doctoral studies abroad during the last 5 years;
- proof of research activities in the given field of research by first author publications or with participation as corresponding author;

- publishing activity in WoS fields including ENGINEERING, ELECTRICAL & ELECTRONIC COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE – at least 10 Jimp-type publication outputs in Q1-Q3 journals in the last 5 years;
- experience in participating in national or international scientific projects;
- experience in cooperation with foreign partners;
- independence, diligence, responsibility;
- communication and organizational skills;
- knowledge of the English language, both spoken and written.

WHAT WE OFFER YOU:

- fixed-term employment (from 3 to 15 months)
- full-time work (8 hours/day)
- attractive and interesting work in an academic environment;
- pleasant working environment and team;
- employee benefits – vacations, meals;
- salary assessment according to the Internal Salary Regulations of the University of Pardubice and the conditions set by the project for the position of excellent foreign researchers.

PLACE OF WORK:

University of Pardubice, Faculty of Electrical Engineering and Informatics, Pardubice, Czech Republic.

TO SUBSCRIBE TO THE SELECTION PROCEDURE, PLEASE, PROVIDE:

- Professional CV including the applicant's h-index from the Web of Science and an overview of publications in the mentioned WoS fields for the last 5 years, a list and brief description of scientific research projects (national and international), a list of foreign internships completed in the last 5 years and their brief description.
- Motivation letter including the specification of contribution to the receiving workplace, proof of scientific activity outside the territory of the Czech Republic and contact to two recognizable researchers who will provide relevant references.
- Documents on the highest education achieved (a simple copy is sufficient).

SELECTION CRITERIA AND THEIR EVALUATION:

Criterion 1 – Number, quality and relevance of articles in impact journals related to the relevant fields of research according to WoS, i.e., ENGINEERING, ELECTRICAL & ELECTRONIC and COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE.

Criterion 2 – Involvement in scientific research projects and positions in projects.

Criterion 3 – Experience in cooperation with foreign partners, completed foreign internships relevant to the field of research.

TIME SCHEDULE OF THE SELECTION PROCEDURE:

Disclosure: 3.4.2025 (20 days)

Evaluation: to 13.4.2025 (10 days)

Notification of the result of the selection procedure: to 18.4.2025 (5 days)

If you are interested in this job, please send the required documents in English **by 3.4.2025** by e-mail to vera.berankova@upce.cz or in written form to

University of Pardubice
Faculty of Electrical Engineering and Informatics
Ing. Věra Beránková
Studentská 95
532 10 Pardubice 2
Czech Republic

In the subject line of the e-mail message or on the envelope, write Selection Procedure for the Foreign Researcher I.