

# UNIVERSITY OF PARDUBICE, Faculty of Electrical Engineering and Informatics

is hiring 2 postdoc researchers in the following field:

## **Research into the classification methods for detection and localization systems**

### **Job description**

The postdoctoral researcher will focus on research and experimental activities in the fields of electronic and information engineering, as well as on optimization of the classification methods that may be used in detection and localization systems. The researcher will deal with the existing issues in the classification of objects depending on the signal processing, and merging of data obtained from radio and optical sensors. In addition, the researcher will be using simulation software and laboratory equipment available at the Faculty. The postdoctoral researcher will cooperate with the Faculty's research teams as relevant for his or her research.

The researcher shall actively participate in a conference, seminar, or workshop organized by the receiving institution at least once in every six months of the mobility.

### **Field of Research**

The postdoctoral researcher will carry out research fill under the field of Electrical Engineering, and more specifically under the regional subfield of Advanced Application of Electrical Engineering and Information Engineering, which is compatible with RIS3. *Electrical Engineering, Electronic Engineering, Information Engineering (FORD 2.2)*

### **Objectives and expected benefits**

The Faculty of Electrical Engineering and Informatics will benefit from the development and, as the case may be, transfer of knowledge about the use of contactless technologies for designing modern electronic and communication systems that may be used in smart detection, identification and classification systems. The research may use available radio, image and optical sensors as well as artificial intelligence. All activities carried out by the postdoctoral researcher will follow up on the existing research activities of the Faculty.

During the entire stay, the postdoctoral research will be assigned a mentor, who will be coordinating the research and involve the researcher in cooperation with other faculty staff, or as the case may be, external research partners.

### **Requirements**

- Ph.D. or its foreign equivalent (ISCED Level 8) awarded not earlier than 7 years before the beginning of the mobility<sup>1</sup>,
- over the past 3 years, the candidate has spent a minimum of 2 continuous years (as of the beginning of the mobility) outside the Czech Republic working as a researcher (with FTE of 0.5 and more) or did Ph.D. studies abroad;
- over the past 3 years the candidate has published a minimum of 2 papers (as of the beginning of the mobility) in journals indexed in Thomson Reuters Web of Science, Scopus or ERIH PLUS databases.

The winning candidate should not be employed by another university or similar institution as of the commencement date. This requirement may be waived if applied for in the hiring procedure.

### **Place of work (including the name of the institution and workplace)**

University of Pardubice, Faculty of Electrical Engineering and Informatics, Studentska 95, 532 10 Pardubice, Czech Republic.

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<sup>1</sup> The period may be extended to account for maternity and parental leave, long-term sick leave exceeding 90 days, family caregiver leave exceeding 90 days, medical pre-certification training and military service

## What we offer

- 6-month fixed-term employment
- expected commencement date: 1. 3. 2021
- full-time work (8 hours/day, working hours: 8:00 a.m. – 16:30 p.m.)
- gross monthly salary: CZK 63.700,-
- employee benefits: annual leave, contributions for meals
- friendly environment, induction training

## The application must contain:

- Application form filled in (the form is attached)
- CV
- A copy of university diploma, or a decision on its recognition
- A certificate on a language exam passed during the studies or a statement of the institution from which the candidate graduated - for English language as a minimum<sup>2</sup>
- A list of publications, especially publications in journals indexed in Web of Science.
- A motivation letter including a description of the benefit for the receiving institution.
- A brief description of the existing research
- A list and a brief description of research projects (national and international) in which the candidate participated (including the position)
- Other documents evidencing research activities carried out outside the Czech Republic
- List of international stays and their brief description
- A letter of recommendation of the previous supervisor or the head of the department or team where the candidate worked

All of the documents must be submitted in English. A university diploma or a decision on its recognition and a language exam certificate may also be submitted in Czech or Slovak. If an original of a document is not in Czech, Slovak or English, an official translation into one of these languages is required. An authenticated copy is not required for the purposes of the selection procedure, a printed or an electronic (pdf) one is sufficient.

**The application, including the attachments, must be sent by 12<sup>th</sup> February 2021** electronically to [libuse.cermanova@upce.cz](mailto:libuse.cermanova@upce.cz) or to the following address:

Ing. Libuše Cermanová  
University of Pardubice  
Studentská 95  
532 10 Pardubice, Czech Republic

(please state „**Neotvírat – výběrové řízení**“ (Do not open – selection procedure) on the left side of the envelope).

## Timetable of the selection procedure

- Announcement of the call on the website of the University of Pardubice and Euraxess: 15<sup>th</sup> January – 5<sup>th</sup> February 2021
- Deadline for submitting the required documents: 12<sup>th</sup> February 2021
- Evaluation: by 26<sup>th</sup> February 2021
- Notification of the results and their announcement on the website of the University of Pardubice: by 5<sup>th</sup> March 2021

Each candidate will be notified in writing and will receive his or her record. The record will also define the appeal procedure and its time schedule. The results of the selection procedure will be published on the website of the University of Pardubice.

**Appeals can be filed within 10 business days after the results were published on the University website.** The appeal must be delivered to the contact person (Mrs. Libuše Cermanová) at the University of Pardubice within the set time. **The appeal will be dealt within 10 business days after received.** The selection committee will give its opinion on the appeal.

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<sup>2</sup> Not required for native speakers.