

UNIVERSITY OF PARDUBICE, Faculty of Transport Engineering

Is seeking 1 researcher for the position of a

SPECIALIST IN THE UTILISATION OF LOCATION, DETECTION AND SIMULATION SYSTEMS IN CONTROLLING OF TRAFFIC AND LOGISTIC PROCESSES - POSTDOC

Research area:

Utilisation of location, detection and simulation systems in controlling of traffic and logistic processes

Job description:

The postdoc's research will be based on the determined localisation of means of transport and elements transferred within traffic infrastructure. He/she will verify the utilisation of location and detection systems as well as consider alternative operational variations with the use of computer simulation or other methods of traffic modelling and operational research. He/she will also participate in the research concerning transport and transfer technologies and logistic processes leading to the rationalisation of transport network capacity.

The Postdoc will join a team of other research scientists of the Faculty of Transport Engineering dealing with this topic as part of the joint project of the Faculty of Transport Engineering and Faculty of Electrical Engineering and Informatics.

The Postdoc will be obliged to organise a seminar/workshop for his/her colleagues or other scholars on research achievements, experience from abroad, possibilities of cooperation etc.

Goals and expected contribution:

Application of data processing methods discovered through location and detection systems, researching the possible utilisation of processed data and proposals of new functions of information systems used in controlling traffic and logistic processes in practice.

Development of more and more effective tools supporting the control of traffic and logistic processes and utilising the established capacity.

The applicant is required:

- To be a postdoc, i.e. research worker within 7 years of gaining the PhD or its equivalent¹ (ISCED level 8) to the date of September 1st, 2017 and
- Within the last 3 years (to the date of September 1st, 2017) held a research position outside the CR extending to at least 50% of the full-time workload for at least 2 years, or was a PhD student abroad, and
- To demonstrate publication activity by submitting list of his/her publications (listed in the databases Thomson Reuters Web of Science, Scopus or ERIH PLUS, types of publications including "article", "book chapters", "letter" and "review") – at least 2 items within the last 3 years (to the date of September 1st, 2017),
- To have completed his/her doctoral degree in transport or similar area, IT skills
- To have excellent knowledge of the English language (written as well as spoken).

Successful applicants should not have any type of employment at another university or other institution. Any exception from this rule must be based on an application submitted during the selection process.

Job location:

University of Pardubice, Faculty of Transport Engineering, Department of Transport Management, Marketing and Logistics, Pardubice, Czech Republic

¹ The stated time limit may be extended by a period spent by the applicant on maternity leave or sick leave longer than 90 days, caring for a family member (more than 90 days), sabbatical, or military service.

We offer:

- Fixed term contract for 15 months
- Expected contract start on June 1st 2018
- Full-time contract (8 hours/day, working hours 8:00 – 16:30)
- Gross pay per month: 63.151,-- CZK
- Employee benefits – paid holiday, subsidised meals
- Pleasant working environment, training

The application must contain:

- Application form (filled in)
- Professional CV
- PhD Diploma, or its nostrification
- Certificate of an English language exam – passed as a part of study or a declaration of a passed English language exam from the institution granting the PhD. Degree²
- Documents proving the applicant's scientific experience outside the CR
- List of publications concerning the last 3 years (to the date of September 1st, 2017)
- List and a brief description of research projects (national and international) in which the applicant participated within the last 3 years (specifying the position and number of months), to the date of September 1st, 2017
- List of internships (abroad, in the sphere of application) within the last 3 years (to the date of September 1st, 2017) and their brief description
- Cover letter incl. the specification of the applicant's contribution to the new workplace
- Brief description of the applicant's current research incl. its relevance and usefulness for the field of study
- Reference of a previous supervisor or head of research team in which the applicant participated

All the above documents will be translated into English. The diploma or its nostrification and the Certificate of English language examination can be submitted in Czech or Slovak. Documents in a language different from Czech, Slovak or English, must be submitted in a certified translation into one of these languages. Simple copy (printed or electronic) is sufficient for this selection procedure.

Applications including the attachments are to be sent in at the latest by 23 October 2017 in electronic form to the address libuse.cermanova@upce.cz or in printed form to the postal address:

Ing. Libuše Cermanová
Univerzita Pardubice
Studentská 95
532 10 Pardubice

(Please write "Do not open – selection procedure" on the left side of the envelope)

Selection procedure, selection criteria and their evaluation:

In the attachment

Information about the results of the selection procedure will be published on the University of Pardubice website (<https://www.upce.cz/en>). You will also be notified of the results in writing (by e-mail and by post) and you will receive your personal protocol. This protocol will include the description of the process of appeal with its time schedule.

Time schedule of the selection procedure:

Publication: till 9 October 2017

Submission of the required documents: till 23 October 2017

Evaluation: till 6 November 2017

Notification of results and publication of results on the University of Pardubice website: on the date of 13 November 2017

This position is sought for the project International Mobility of Research Workers at the University of Pardubice submitted as a part of the Operational Programme Science, Development and Education no. 02_16_027.

² Does not concern applicants whose mother tongue is English.