**Dean of the Faculty of Electrical Engineering and Computer Science,**

**VŠB - Technical University of Ostrava is searching for suitable candidates for senior research positions.**

VŠB - Technical University of Ostrava is an institution of higher education offering education in technical and economic sciences based on free and internationally oriented research. It is an integral part of the higher education structure in the Czech Republic providing for the highest level of education in the area of its specialization. VŠB-TUO has the right of conferring academic and scientific degrees, as well as doctoral honorary degrees. The scientific and teaching staff collaborates with research and academic institutions and specialists at both national and international levels.

VŠB-TUO ranks among the top technical universities in the Czech Republic. Its research & technology development potential represents an important component of the innovative process in the region and throughout the entire Czech Republic. The latest results of its R&D activities confirm the strength of the human and research potential that the University has at its disposal.

Currently we offer one senior research position on the following one topic, supported by the EU Operational Program Research, Development and Education and the Czech state budget:

|  |  |  |
| --- | --- | --- |
| Job position:  |

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| --- |
| Participation in the mobility Nr.2 - **Work-stays of Senior Researchers from Abroad in the Czech Republic**  |

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| Location: | VŠB - Technical University of OstravaFaculty [of Electrical Engineering and Computer Science](https://www.fei.vsb.cz/en) |
| Expected date of the mobility: | March 2021 – August 2021 |
| Workload: | 80 % |
| Field of research: | Microelectronics and advanced manufacturing technologies |
| Detailed description of the research: | These are the links between knowledge domains Advanced machinery/technology for a strong globally competitive industry (NIP I. – Engineering, energy and metals) specifically in the fields of Microelectronics and Advanced Production Technologies, all usable in the renewable and alternative sources segment.The focus of research will be in particular on the use of RES systems in accordance with the principles of the circular economy and sustainable development. Special consideration will be given to the application of results in Europe and Asia. |
| Basic information about the researcher´s work (plan of research and development activities, job description and expected outputs): | * Participate in the preparation of international project proposals (criterion number of projects submitted so far in which it has participated)
* Actively engage with other foreign workplaces
* Cooperation to implement workplace tests
* Successful publication activity (number of publications criterion)
* Ability to cooperate in the organisation of international events (criterion number of events he has participated in so far)
 |
| Length of the mobility: | 6 months |
| Requirements for the candidate: | * The candidate must be a researcher from abroad who has worked for at least 2 years over the period of the last 3 years in an organisation/organisations outside the Czech Republic in the field of research, with working time at least 0.5 FTE. Czech citizens are not excluded.
* The candidate must be a Senior Researcher[[1]](#footnote-1).
* The candidate must meet the following performance criteria of a Senior Researcher:

- H-index – minimum value of 8.5 according to the conversion of the normalisation table given in Annex No. 1 “Manual for the Calculation of the Normalised H-index”. The Web of Science or Scopus is a source for the conversion of the h-index value. Researchers working in the field of social and humanistic sciences do not submit h-index value, - A contribution in at least one international grant or national grant over the last 5 years as a solver or co-solver, - Publication activity – in last 5 years, at least 3 publication outputs[[2]](#footnote-2). * Good knowledge of Czech or English language
 |
| Conditions of the mobility: | * The researcher must actively participate in a conference / seminar / workshop etc., organised by the institutions of the Beneficiary, on average at least once every 6 months of mobility started.
* Any potential research output conceived during mobility performance must be published in an Open Access form.
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| Selection criteria: | * The number and quality of publication outputs
* The way and scope of involvement in the research projects
* Language skills of the candidate for mobility
* Contribution of candidate´s mobility to the institution of the applicant (VSB)
* Expected results of the mobility and their future use for the institution of the applicant (VSB)
* Potential of the mobility to increase the quality of research at the institution of the applicant (VSB)
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| Documents required from the candidate: | * Professional CV with a reference to publication activity
* Diploma (or recognition)
* A certificate proving level of knowledge of English language
* List of scientific or professional publication and other documents certifying scientific qualification
* Research plan with respect to the required field of research
* Document(s) proving activities outside the Czech Republic for 2 years over the course of the last 3 years and/or documents regarding Ph.D. studies. (can be submitted in the professional CV)
* Calculation of the normalised h-index, if relevant (signed by the researcher)
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| Salary conditions: | * The salary conditions are set in accordance with the rules of the Operational Programme Research, Development and Education
* approx. 71 000 CZK (2 600 EUR)/ month / gross wage
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| Contact person: | Prof. Ing. Dagmar Juchelková, Ph. D.dagmar.juchelkova@vsb.cz |

*The process of mobility is subject to the Rules for Applicants and Beneficiaries, Specific Section, Call “**International mobility of research, technical and administrative staff of research organizations” (Operational Programme Research, Development and Education No. 02\_18\_053). The researcher is required to submit Monthly report of activities for each performed activity unit and to fulfil the Attendance (during the mobility).*

*The researchers must actively participate in a conference / seminar / workshop etc., organized by the institutions of the Beneficiary,* *on average at least once every 6 months of mobility started.*

Interested candidates are requested to send the above mentioned documents in the Czech or English language to katerina.kasparova@vsb.cz by no later than November 5th, 2020:

In Ostrava, October 19th, 2020

Annex Nr.1

**Manual for the Calculation of the Normalised H-index**

The calculation will be made according to the following table:

The normalizing factor[[3]](#footnote-3) f: hN = f x h

**Discipline f**

Agricultural Sciences 1.27

Biology & Biochemistry 0.60

Chemistry 0.92

Clinical Medicine 0.76

Computer Science 1.75

Engineering 1.70

Environment/Ecology 0.88

Immunology 0.52

Materials Science 1.36

Mathematics 1.83

Microbiology 0.63

Molecular Biology & Genetics 0.44

Neuroscience & Behaviour 0.56

Pharmacology & Toxicology 0.84

Physics 1.00

Plant & Animal Science 1.08

Psychiatry 0.88

Space Science 0.74

1. ***Senior Researcher***

*A Senior Researcher is a researcher who was awarded a Ph.D. degree or similar (equivalent to Level 8 according to ISCED) 7 and more years before the date of submission of the grant application.* [↑](#footnote-ref-1)
2. ***Publication Outputs***

*An expert publication registered in Thomson Reuters Web of Science, Scopus or ERIH PLUS databases and at the same time, publications such as “articles”, “books”, “book chapters”, “letters” and “reviews”.* [↑](#footnote-ref-2)
3. *Source: Doing Hirsch proud; shaping H-index in engineering sciences.* [↑](#footnote-ref-3)