



In Prague, on April, 25.  
2018

**Dean**

The Faculty of Civil Engineering of the Czech Technical University in Prague, Thákurova 7, 166 27 Prague 6, is announcing a selection tender for employment of a candidate for the position of:

**Senior research worker for mobility within the terms of the Research, development and education operation programme call for the “International research worker mobility” project /P K 122/**

Site of performance of work: The Czech Technical University in Prague, Faculty of Civil Engineering, Department of Building Technology

Duration of the work residency: 6 months

Job value: 1.0

Assumed date of commencement of the work residency: 8/2018

Financial compensation according to the terms of the call covering costs for residing in the Czech Republic.

**The research worker’s job description and duties:**

- Work in a team for the purpose of helping to create a digital database of internal damage caused by external influences
- Assistance with other methods of non-destructive diagnosis of material using the ENSTA Bretagne laboratory – intermittent testing of various materials, which are the subject of interest for testing technologies (various composites, steel structures and strong composites used for ballistic protection)
- Research of all aspects of non-destructive monitoring of composite materials, including design, implementation and analysis of use of new potential methods of testing materials and simultaneously proposal of developmental improvements for the technology
- Optimisation of the process of monitoring the construction of critical infrastructure using new technologies
- Mapping further use of the new technology, creation of joint scientific

publications in international magazines and preparation of workshops for specialists. Scientific activities should simultaneously focus on collaborating with European industry in the field of applied research and experimental development.

### Requirements:

- A senior research worker who has been active, for a total period of at least 2 years during the past 3 years, in an organisation outside the Czech Republic in the field of research, with a job value of at least 0.5 throughout the entire period. Czech citizens are not excluded.
- H-index – minimum value of 8.5 converted according to the “Instructions for calculation of the standardised h-index” standardisation table – see Appendix.
- Involvement in at least one international or state subsidy during the last 5 years in the position of head researcher or co-researcher.
- Publication activities – at least 3 publications in impacted magazines during the last 5 years.

### Required documents:

- Application form
- Professional CV with reference to publication activities in English/Czech
- Copies of documents demonstrating education
- Calculation of the standardised h-Index signed by the research worker
- Mobility schedule
- Documents demonstrating activities outside the Czech Republic for a total period of 2 years during the last 3 years (can be demonstrated in the professional CV)
- A brief description of the proposed research on which the research worker will work, reasoning for the need for this research and the benefits for the worker and the Faculty of Civil Engineering at the Czech Technical University in Prague workplace
- Consent to processing of personal data in relation to this selection tender.



### Contact information:

The application and the compulsory documents specified in the requirements must be submitted by **May, 25. 2018** to the e-mail address [eva.sestakova@fsv.cvut.cz](mailto:eva.sestakova@fsv.cvut.cz).

The work residency is financed using funds from the International research worker mobility call within the terms of the Research, development and education programme – project Reg No. CZ.02.2.69/0.0/0.0/16\_027/0008465.

## Annex No. 14 Manual for the Calculation of the Normalised H-index

The calculation of the normalised h-index will be one of the annexes submitted during the project implementation for each Senior Researcher (Activity No. 2 and 4) and Mentor in Activity No. 3. Researchers working in the field of social and humanistic fields are exempt from this obligation.

The calculation will be made according to the following table:

The normalizing factor  $f$ :  $h_N = f \times h$

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