

Prague, May 4, 2022
Č.j.: CVUT00008091/2022

Dean

Faculty of Civil Engineering Czech Technical University in Prague, Thákurova 7, 166 27 Praha 6, offers vacancy for the job:

**Senior researcher in Sustainable Retrofitting and Post-war Reconstruction of Building Stock
for mobility within the terms of the Research, development and education operation programme
call for the “International mobility of research, technical and administrative staff of research
organizations ” project /FSv7/**

Characteristics of the position

- Place of work: The Czech Technical University in Prague, Faculty of Civil Engineering, Department of Architectural Engineering
- Employment: Full-time job
- Expected start date of work stay: 3Q/2022
- Length of work stay: Until 30.6.2023
- Possible extension of contract after 06/2023, depending on the performance of the applicant terms of research and publication performance and ability to attract funding.
- Expected gross salary per month: 87,900 CZK
- An additional compensation of 9,700 CZK per month is available as a contribution to resite the family members to Prague.

Job description and duties

- The main area of research is sustainable retrofitting of existing buildings with focus on post-war reconstruction of building stock.

- The main objective of the work will be developing knowledge base to provide guidelines and resources supporting improving of the recovered post-war building stock to more sustainable, energy efficient, circular and low carbon level.
- The work includes networking with the international and Ukrainian organizations and authorities to adjust the form of the provided information and support to the needs of the main stakeholders that will be recovering after-war Ukraine.
- A junior researcher from Ukraine is available to support the research and communication.
- The research will be supported by the colleagues from the Dept. of Architectural Engineering (collaboration with the teams of prof. Petr Hájek, prof. Jan Tywoniak and assoc. prof. Antonín Lupíšek) and by the University Centre for Energy Efficient Buildings.
- It is expected that the outcomes of the activities will be also published in highly- ranked scientific journals and presented in conferences.
- Participation in submission of research projects proposals

Requirements

- Expertise and experience in research at least in one of these fields:
 - Resource-efficient and circular construction methods
 - Circular economy in construction
 - Energy efficient buildings
 - Green architecture
 - Low-carbon built environment
- Senior researcher, who has worked for at least 2 years in an organization outside the Czech Republic in the field of research for the last 3 years, employment for a minimum of 20 hours per week. Citizens of the Czech Republic are not excluded.
- PhD. degree (or equivalent) issued 7 year and more before the start of the mobility
- H-index – minimum value 8.5 in conversion according to standardization table "Instructions for calculation of normalized h-index" (see below mentioned instruction). Source for the recalculation of h-index: Web of Science or Scopus.
- At least 3 publications out puts over the past 5 years
- Good command of English language

Required documents:

- Motivation letter including preferred date for the start of work
- Professional CV in English
- List of publications for the past 5 years
- List of participation in research projects for the past 5 years (incl. description of applicants' role in the project)
- Copy of documents on education

- Calculation on the normalized H-index signed by the researcher (see the below mentioned instruction)
- Consent to the processing of personal data in connection with this tender signed by the researcher (can be mentioned in the Motivation letter or within in the separated signed statement)

Contact:

The application and mandatory documents listed in the requirements must be submitted before **2 June 2022** to the e-mail address ludmila.kristanova@fsv.cvut.cz.

Write the sign FSv7.

The working visit is funded by means of the International Researcher Mobility Challenge under the Operational Program Research, Development and Education - Registry No. CZ.02.2.69 / 0.0 / 0.0 / 18_053/0016980.

Instructions for calculating the normalized H-index

The normalizing factor¹ f: $hN=f \times h$

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	0.74

¹Source: Doing Hirsch proud; shaping H-index in engineering sciences.