

FACULTY OF CIVIL ENGINEERING  
prof. Ing. Jiří Máca, CSc.  
DEAN



In Prague April, 25. 2018

**Dean**

of the Faculty of Civil Engineering, CTU in Prague, Thakurova 7, 166 27 Praha 6,  
announce the job vacancy:

**post-doc researcher for mobility in the scope of OP VVV call for the project  
„International Mobility of Researchers“ / P1 K 132/**

Workplace: CTU in Prague, Faculty of Civil Engineering, Department of Mechanics

Work period: 6 months

Employment type: Full-time

Expected starting date for the position: 10/2018

Salary based on conditions of the call covering the expenses for stay abroad.

**Responsibilities:**

- Research of durability and resilience of structural materials against salts penetration and its modeling.
- Cooperation on research projects and publication of the research outcomes.
- Researcher must have experience with material models for concrete, damage models, modeling of transport processes in porous systems (transfer of heat, moisture and salts), programming and work with numerical tools based on finite element method and with experimental research of materials and structures.
- The researcher will be using an in-house open-source FEM software SIFEL. Its knowledge preferred.
- Minimum of one active participation at a workshop, seminar or conference organized at the workplace and minimum of one publication submitted to an impacted journal, report on working activities after each month.

**Requirements:**

- Candidate is a post-doc researcher. The candidate has a Ph.D. degree or its equivalent based on 8ISCED (International Standard Classification of Education) classification.
- Candidate must be a researcher from abroad by a definition described as a researcher who in the past 3 years spent at least 2 years (at the date of

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Č. Ú. 19-5504610227/0100



application) working in a research field outside of CZE for a minimum of 50%-time employment, or was a Ph.D. student or its equivalent.

- Publication record – minimum of 2 publications in the past 3 years

**Mandatory documents:**

- Application
- Professional CV with a reference to publishing activities in English/Czech
- Copies of diplomas
- The mobility schedule
- Documents proving activities outside of CZE for at least 2 years in the past 3 years or studying of Ph.D. (can be listed in the CV)
- Brief description of the candidate proposed research work, justification of its necessity and benefits for the candidate and the FCE CTU workplace.
- Consent to the processing of personal data for the purpose of this tender.

**Contact:**

The application and listed mandatory documents can be sent till **May, 25. 2018** to the email adress [eva.sestakova@fsv.cvut.cz](mailto:eva.sestakova@fsv.cvut.cz).

The work stay is funded by the International Mobility of Researchers under the Operational Programme Research, Development and Education – project reg. num. CZ.02.2.69/0.0/0.0/16\_027/0008465.

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## 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<sup>33</sup>  $f$ :  $h_N = f \times h$

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	0.74