

Strana 1/3  
Prague, 11. 2. 2019  
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**Dean**

of the Faculty of Civil Engineering, Czech Technical University in Prague, Thákurova 7, 166 27 Prague 6, opens a public selection procedure for the following position:

**Senior Researcher involved in mobility within the OP VVV project „International Mobility of Researchers“ /P2K132/**

Place of work: CTU in Prague, Faculty of Civil Engineering, Department of Mechanics

Duration: 6 months

Position type: full time

Expected starting date: 6/2019

Financial remuneration according to the conditions of the call covering the costs associated with the stay in the Czech Republic

**Work description and duties of the researcher:**

- Research activities in the field of mathematical modeling and numerical simulation of the mechanical behavior of complex systems. In particular, modeling of solids under large strain, preferably with applications in biomechanics.
- Collaboration on research projects and publication activities.
- Lectures and seminars for graduate students and interested professionals.

**Required profile:**

- Senior researcher who worked in research at least for 2 years during the last 3 years in an organization outside the territory of the Czech Republic, with minimum occupation rate 50% during the whole period. Czech citizens are not excluded.
- H-index – at least 8.5 after normalization based on the „Instructions for evaluation of normalized h-index“ – see the appendix.

- Principal investigator (or principal co-investigator) of at least one international or national grant during the last 5 years.
- Publication activity – at least 3 publications in journals with impact factor during the last 5 years.

**Mandatory documents:**

- Application
- Professional CV with a list of publications in English
- Copies of degree certificates
- Evaluation of the normalized h-index signed by the researcher
- Time plan for the mobility stay
- Documents proving activities outside the Czech Republic for at least 2 out of the last 3 years (can be replaced by information in the professional CV)
- Brief description of the proposed research to which the researcher will contribute, justification of the need and contribution for the researcher and for the CE faculty of CTU.
- Consent with processing of personal data related to this selection procedure.

**Contact:**

The application and mandatory documents listed above can be submitted no later than **13. 3. 2019** by email to [eva.sestakova@fsv.cvut.cz](mailto:eva.sestakova@fsv.cvut.cz).

The stay is financed by the call „International Mobility of Researchers“ as part of the operation program Research, Development and Education – 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