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Postdoctoral Position Opening at University of Western Ontario

Home » blogs » jenda\_z's blog

Multiple post-doctoral positions in the field of modeling, simulation, assessment and optimization of multi-functional materials

View

Revisions

Submitted by jenda\_z on Fri, 2013-05-03 06:26. job | computational homogenization | Coupled Problems | durability | low-energy building materials | micromechanics | transport processes

The Czech Technical University in Prague - University Center for Energy Efficient Buildings offers nine post-doctoral positions in the field of modeling, simulation, assessment and optimization of multi-functional materials and structures.



Start date: as soon as possible after 21 June 2013, until all positions are filled
Contract duration: until 30 June 2015 (with a critical evaluation after the first year)

The present project integrates nine different topics, each of which will be supervised by a mentor from the Faculty of Civil Engineering of the Czech Technical University in Prague. The particular topics include

- 1. Drying and desalination of historical buildings using hydrophilic mineral wool
2. Low-energy building materials
3. Modeling of coupled cracking, creep and hygrothermal effects in construction materials
4. Ultra high performance fiber-reinforced concrete in different loading conditions
5. Wood-based materials
6. Numerical and experimental analysis of concrete performance in irradiated environment
7. Durability of reinforced cementitious materials
8. Micromechanical modeling of thermal and acoustic insulation materials
9. Development of FFT-based solvers for homogenization of periodic media

Interested candidates are invited to send their applications directly to the relevant mentor, using the e-mail address provided above, no later than 31 May 2013.

Additional details are available at

http://mech.fsv.cvut.cz/wiki/index.php/Department\_of\_Mechanics:\_Vacancies:\_UCEEB\_Postdocs

» jenda\_z's blog | Login or register to post comments | 1704 reads

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Hi Arun, Yes you can 3 days 18 hours ago
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### What we talked about

- **ABAQUS tutorial**
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  - **in situ Mechanics**
  - **Logarithmic strain**
  - **Mechanics of growth**
  - **Mesh-free methods**
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