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Nine Postdoctoral Positions -- Modeling, Simulation and Assessment and Building Materials Czech Technical University in Prague

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Date Posted

May 3, 2013

Job Title

Nine Postdoctoral Positions -- Modeling, Simulation and Assessment and Building Materials

Department

University Centre for Energy Efficient Buildings

Institution

Czech Technical University in Prague
Kladno (Near Prague), Bohemia
Czech Republic

Application Deadline

May 31, 2013

Position Start Date

As Soon As Possible After 17
June, 2013, Until All Positions
are Filled.

Website For Job

http://mech.fsv.cvut.cz/wiki/index.php/Department_of...


Job Categories


Post-Doc


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Engineering Mechanics
Energy Technology
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Civil Engineering
Engineering - Other


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Electrical and Computer Engineering
Posted Sep. 3, 2013

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

Start Date: As soon as possible after 17 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 eight different topics, each of which will be supervised by a mentor from the Faculty of Civil Engineering at the Czech Technical University in Prague.

Specific topics include:

1. Drying and desalination of historical buildings using hydrophilic mineral wool
Mentor: Robert Černý (cernyr@fsv.cvut.cz)
2. Low-energy building materials
Mentor: Robert Černý (cernyr@fsv.cvut.cz)



3. Modeling of coupled cracking, creep and hygrothermal effects in construction materials

Mentor: Milan Jirásek (Milan.Jirasek@fsv.cvut.cz)

4. Ultra high performance fiber-reinforced concrete in different loading conditions

Mentor: Petr Konvalinka (petr.konvalinka@fsv.cvut.cz)

5. Wood-based materials

Mentor: Petr Kuklík (kuklik@fsv.cvut.cz)

6. Numerical and experimental analysis of concrete performance in irradiated environments

Mentor: Petr Štemberk (stemberk@fsv.cvut.cz)

7. Durability of reinforced cementitious materials

Mentor: Vít Šmilauer (smilauer@cml.fsv.cvut.cz)

8. Micromechanical modeling of thermal and acoustic insulation materials

Mentor: Jan Zeman (zemanj@cml.fsv.cvut.cz)

9. Development of FFT-based solvers for homogenization of periodic media

Mentor: Jan Zeman (zemanj@cml.fsv.cvut.cz)

Interested candidates are invited to send their applications directly to the relevant mentor(s), using the email address(es) provided above, no later than 31 May, 2013.

General Requirements:

We are looking for candidates who:

- hold Ph.D. degrees (or equivalent) in related research areas issued between 29 March, 2008 and 21 June, 2013;
- have the ability to perform independent research with a strong emphasis on publications in refereed journals; and,
- possess excellent communication skills and written/verbal knowledge of the English language.

We offer:

- the possibility to work in a newly established dynamic and ambitious research center with state-of-the art equipment;
- contracts lasting until 30 June, 2015, with critical evaluations after the first year;
- gross salaries of 56,000 CZK per month (approximately 2,200 Euro or 2,800 USD);
- coverage of travel expenses of up to 55,000 CZK per year;
- coverage of operating costs of up to 40,000 CZK per year; and,
- three-month internships at foreign universities or companies.

*Please reference **AcademicKeys.com** in your cover letter when applying for or inquiring about this job announcement.*

Contact Information

Contact

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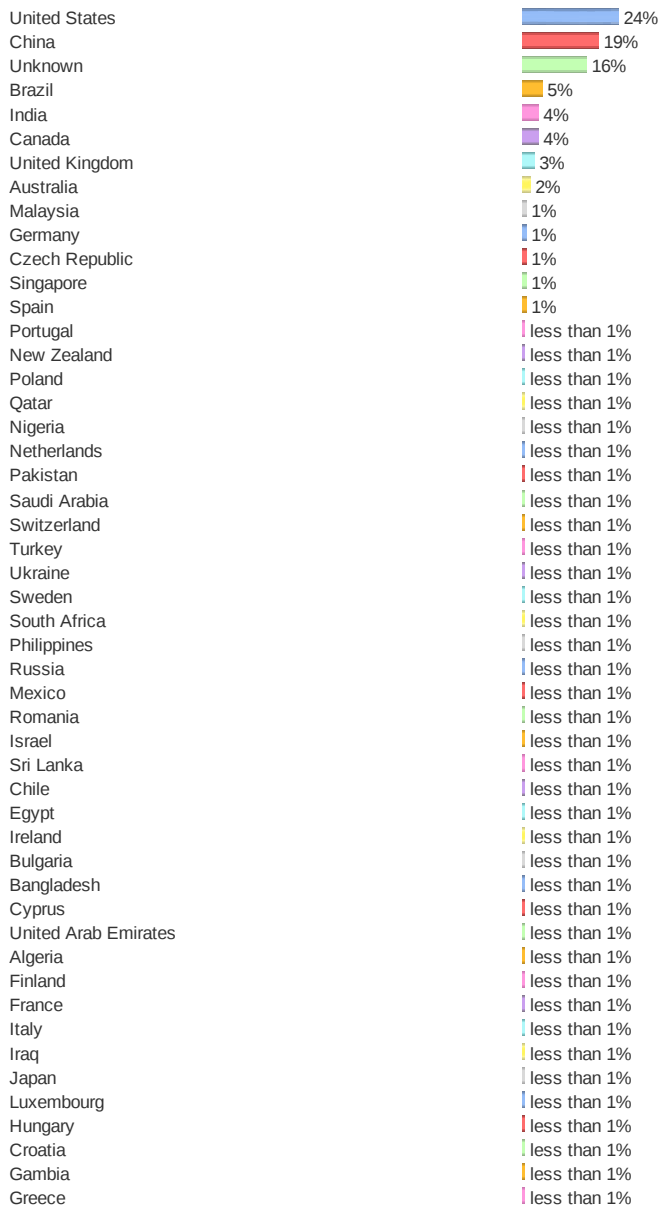
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University Centre for Energy Efficient Buildings
Czech Technical University in Prague

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University of Saskatchewan
Ron and Jane Graham School of Professional Development, College of Engineering
Posted Apr. 3, 2013

Nursing Program Director
Carrington College
Registered Nursing Program
Posted Sep. 11, 2013

Assistant/Associate Professor Decision Sciences
California State University, Fresno
Department of Information Systems and Decision Sciences
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