



Czech Technical University in Prague  
Faculty of Civil Engineering  
Department of Mechanics  
Thákurova 7, 166 29, Praha 6



**Department of Mechanics offers PostDoc/PhD position in the frame of EU funded research project **Multiscale Modelling Platform: Smart design of nanoenabled products in green technologies (www.mmp-project.eu)**.**

**Description:** The development and design of advanced and intelligent materials and products requires understanding of underlying physical phenomena and development and use of advanced simulation tools.

One of the important goals of the project is the development of open-source framework for integration of existing simulation tools. This framework will be developed in Python and will provide distributed environment for interactive simulations build from independent components supporting transparent data exchange, steering, and visualization. This environment will be used to design new advanced light LED sources (in cooperation with Philips) and design of new photo-voltaic cells (CelSian).

**Partners:** Netherlands Organisation for Applied Scientific Research (TNO), Technische Universiteit Eindhoven, ČVUT, ACCESS e.V., Technical Research Centre of Finland (VTT), CelSian Glass & Solar B.V., Philips Lighting B.V., Nexcis.

**We offer** a possibility to work in dynamical research group during the period 01/2014-12/2016, possibility of obtaining PhD, gross salary of 45k CZK, possibility to establish contacts at international level.

**Requirements:** Communication skills and written/verbal knowledge of the English language, MSc or PhD degree, knowledge of programming, motivation. The knowledge of Python, distributed computing, and numerical modeling is an advantage.

**Application:** Interested candidates are invited to send their applications no later than 30 April 2014. The application must contain a Curriculum Vitae (one page), a motivation letter (two pages), stating personal goals and research interests in relation to the research topic, detailed list of publications, and at least two recommendation letters.

**Contacts:**

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