## EMPLOYEE SELECTION

**Brno University of Technology,** Dean of Faculty of Information Technology, hereby announces the employee selection process for one position of an academic worker in the following area:

### ACADEMIC STAFF – JUNIOR LECTURER (DOCTORAL STUDY GRADUATE)
### (for the ESF project CZ.1.07/2.3.00/30.0039)

**Research specialization of the expert team: Hardware/software Co-design Group**

**Job position description:**
The selected post-doc shall reinforce the current research team of the Brno University of Technology. His/her main task shall be participation in science and research activities of the expert team under the supervision of a mentor as well as implementation of science and research activities plan. He/she shall also participate in educational activities in the range of a full-time post-doc, i.e. 3-5 hours on average per week. The research work shall be performed by means of scientific results publication in prestigious foreign magazines, industrial results, integration into national and international research projects (e.g. GA CR, TA CR, FP7 etc.). The poct-doc shall also undergo a 3-6 months internship and participate in Czech and foreign conferences as well. Subsequently, he/she will be required to transfer the acquired pieces of knowledge to other scientific workers and students by means of workshops.

**Qualification requirements:**
- graduation of a Ph.D. study programme at a Czech university or an adequate study programme abroad, accepted by the Czech tertiary education law (n. 111/1998 Sb.), the earliest study completion date being 28th March 2008 in hardware/software co-design or similar domain.
- adequate knowledge of Czech or English (CAE certificate or alternative)
- deep knowledge of nowadays processor architectures
- good orientation in emulation techniques used during processor testing
- experience with design and realization of application specific processors including SW optimizations for them
- experience with development of EDA tools
- good knowledge of architecture description languages, such as LISA or nML, and C/C++, VHDL languages
- advanced knowledge in the Linux Operating System

**The position shall be occupied by one applicant only. The announced position is a full-time job for a period of 31 – 34 months.**
**Proposed salary: 40.000 – 60.000 CZK (gross pay/salary monthly – 100% job – 40 hours per week)**

**Expected start date**: **1st September 2012**

**The application form must include:**
- structured CV
- copies of university degree documents (diploma)
- copies of English level certificate (CAE or alternative)
- overview of published articles in prestigious magazines and other publications
- overview of quotations in international scientific literature
- overview of implemented research results
- overview of research teams the applicant has cooperated with, including a list of projects the applicant participated in

**Announcement date**: **17th July 2012**

**Application form deadline: 20th August 2012 till 1 p. m. CET.**

INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

**Written applications** to be handed over to the Research Centre of Information Technology, Faculty of Information Technology, Brno University of Technology, Bozetechova 2, 612 66 Brno.

Contact person Tomas Urban, email: urbant@fit.vutbr.cz, tel: +420 54114-1205.