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Job details

Job posted by Czech Technical University in Prague (20/05/2013 11.43)

Postdoctoral position in the field of vehicle power train and power management modelling and control

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The Czech Technical University, Faculty of Mechanical Engineering (CTU) <http://www.fs.cvut.cz> is looking for recent doctoral study graduates focused on the simulation and optimization of vehicle powertrains and predictive control of power systems. (Graduation between March 29, 2008 and the date of admission. Studies took place at Czech or foreign universities.)

Description

Specific topics of research and mentor:
Prof. Ing. Michael Valáček, DrSc., <http://www.fs.cvut.cz>
1. Research of efficient simulation of fully nonlinear predictive control with constraints for advanced powertrains or chassis systems involved in integrated vehicle control. The topics should be selected preliminarily by the candidate.

Nr of positions available : 1

Research Fields

Technology - Other

Career Stage

Early stage researcher or 0-4 yrs (Post graduate)

Research Profiles

First Stage Researcher (R1)

Benefits

Application details

Other job details

Job ID
33862196

Country
CZECH REPUBLIC

Type of Contract
Temporary

Status
Full-time

Company/Institute
Czech Technical University in Prague

Hours Per Week
40

Street
Prilepska 1920

City
Roztoky u Prahy

Postal Code
252 63

EU Research Framework Programme

Is the job funded through the EU Research Framework Programme?
NO

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Early stage researcher or 0-4 yrs (Post graduate)

Research Profiles

First Stage Researcher (R1)

Benefits

Gross salary of at least 56 000 Czech Crowns (CZK) – approx. 2000€, well above the national average salary (950€); social and health insurance paid by the employer; possible increase in case of excellent results after the first 6 months; the result assessment depends on contribution to publishing activities of research teams; Paid business trips to present the results at one or more congresses or conferences annually ; Paid, minimum of 3 months practice in industrial R&D in the Czech Republic or abroad (e.g., Škoda Auto, Porsche Engineering Services Prague, AICTA Design Works, Ricardo Prague, Honeywell Turbo Technologies, etc.); Possibility to continue employment and academic carrier after the end of the project, especially in case of successful grant applications. The employer will help participants of the project in finding accommodation, if necessary. The contract with the employee will be valid for the period since date of admission (at the earliest 1st August 2014) till 30th June 2015; The research activities will be carried out at the Czech Technical University, Josef Božek Research Centre located in Roztoky (<http://www.vtp-roztoky.cz>) suburb of Prague, Czech Republic; The employee will take part in teaching activities in the range of 3-5 hours/week.

Comment/web site for additional job details

To apply, please send by e-mail and (followed) by a letter, which both should reach contact person at CTU in Prague till 28th September, midnight:

- a detailed CV in English or Czech, at least one page A4 (including list of published papers with the full bibliographic data and impact factor of the journal according to WoS, patents and realized engineering works – applicants with better publication activities will be preferred); the applications without detailed information on impact factor will not be assessed;
- a letter of motivation in English or Czech stating the selected # of topics mentioned above and commenting details of your intentions in doing that research;
- copy of the certificate of English language knowledge (e.g., CAE or TOEFL or electronic version of PhD. Thesis in English);
- copies of the master and Ph.D. diplomas;
- one recommendation letter in English or Czech with the full e-mail and phone contacts to the recommending person. Additionally (voluntarily),
- full-text electronic copies of three of your best published papers/articles.

Web site for additional job details: <http://bozek.cvut.cz>

Requirements

Required Languages

Language
ENGLISH

Language Level
Excellent

Required Education Level

Degree Field
Mathematics

Framework Programme

Is the job funded through the EU Research Framework Programme?
FP7

Advert Number
CZ.1.07/2.3.00/30.0034

Company/Institute

Czech Technical University in Prague
Faculty of Mechanical Engineering
Research Laboratory Technická 4
16607 - Prague
CZECH REPUBLIC
phone +420 246 003 703
email eva.zbozinkova@fs.cvut.cz

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