An EU FP7 Marie Curie Industry-Academia Partnerships and Pathway (FP7-PEOPLE-2012-IAPP) grant

OPEN POSITION at Technical University of Cluj-Napoca, Cluj-Napoca, Romania

Project title: DESIGN, MODELLING AND TESTING TOOLS FOR ELECTRICAL VEHICLES POWERTRAIN DRIVES (DeMoTest-EV)

Grant agreement no.: 324345. Duration: 2013-2016

The Technical University of Cluj-Napoca is looking for an Experienced Researcher (duration 24 months) focused on the modeling, simulation and testing of noise and vibration in electrical machines and drives for automotive applications.

CANDIDATE PROFILE:

- Must be fluent in spoken and written English.
- Must have a Ph.D. degree in Electromechanical/Mechanical Engineering with an adequate scientific background in noise and vibration of electromechanical systems.
- Must not have resided or carried out her/his main activity (work, studies, etc.) in Romania for more than 12 months in the 3 years immediately prior to their recruitment. Short stays, such as holidays and visits are not taken into account.
- Must have maximum 10 years of full-time research experience.

SPECIFIC TOPICS:

- Multi-physics multi-domain modeling and HiL testing of advanced electromechanical/mechatronic systems.
- Noise and vibration in electrical machines and drives for automotive applications.

ADDITIONAL REQUIREMENTS:

- Specific experience with:
  - CAD software for electromechanical/mechatronic systems.
  - Electromagnetic/structural/vibroacoustic simulation software (Experience with JMAG, Nastran, VirtualLab is an advantage).
  - MATLAB/Simulink (Experience with LabAmesim is an advantage).
  - HiL development platforms.

LOCATION:

The research activities will be carried out in Cluj-Napoca (Romania) at Technical University of Cluj-Napoca. Short term visits carried out at LMS International (Leuven, Belgium).

REMUNERATION:

Will be in line with the EC rules for Marie Curie grant holders and consists of a salary augmented by a net mobility allowance. See details at: http://cordis.europa.eu/fp7.

APPLY NOW!


To apply, please send a detailed CV together with a letter of motivation and names of reference(s) to:

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