

An EU FP7 Marie Curie Industry-Academia Partnerships and Pathway (FP7-PEOPLE-2012-IAPP) grant
OPEN POSITIONS at Technical University of Cluj-Napoca, Cluj-Napoca, Romania



Project title: **OPTIMAL LOW-NOISE ENERGY-EFFICIENT ELECTRICAL MACHINES AND DRIVES FOR AUTOMOTIVE APPLICATIONS (EMDA_LoOp)**

Grant agreement no.: 324329. Duration: 2013-2016

The Technical University of Cluj-Napoca is looking for an **Experienced Researcher** (duration **24 months**) focused on the **simulation and control of low power a.c. electrical motors for automotive applications.**

CANDIDATE PROFILE:

- Must be fluent in spoken and written English.
- Must have a Ph.D. degree in Electrical Engineering with an adequate scientific background in modeling and control of electrical machines.
- 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 testing of advanced electromechanical/mechatronic systems
- Modern control techniques of low power a.c. machines. Both theoretical background and implementation on advanced hardware platforms.

ADDITIONAL REQUIREMENTS:

- Specific experience with:
 - CAD software for electromechanical/mechatronic systems.
 - Electromagnetic simulation software (JMAG and/or FLUX).
 - MATLAB/Simulink.
 - DSpace/CompactRio development platforms
 - Experience with LabVIEW is an advantage.

LOCATION:

The research activities will be carried out in Cluj-Napoca (Romania) at Technical University of Cluj-Napoca.

Short term secondments carried out at Brose Fahrzeugteile GmbH & Co (Würzburg, Germany).

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!

Targeted start date: February 3, 2014.

Application deadline: October 15, 2013.

To apply, please send a **detailed CV** together with a **letter of motivation, names of reference(s)** and (optional) **1-2 recommendation letters** to:

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