



Call for candidates for a doctoral position at GEP

REF. G2028

Published: 06 September 2020

Deadline: 06 October 2020

Reference: G2028

Research Activities: Solar and Renewable Energies

Candidate: Phd Student

Location: BenGuerir

Duration: 36 months

Eligibility: Be enrolled in a doctoral thesis at a National University

DESCRIPTION

GEP opens 1 funded PhD position in; embedded system studies for development of a new programmable switch mode power supply.

Role of Phd Student

- Analysis of multiple sampling technique for digitally controlled DC-DC converters;
- Modeling of quantization effects in digitally controlled DC-DC converters;
- Conception and realization of a new programmable switch mode power supply;
- Publish research results and present them at conferences, workshops, etc.;
- Make models, prototypes and pre-series for validation

REQUIREMENTS

- Be enrolled in a doctoral thesis at a National University;
- Skills in electronic embedded system engineering ;
- Good knowledge of programming languages (Matlab, C embedded, python, PSIM);
- Good analytical, synthesis, innovation and communication skills ;
- Strong interest in interdisciplinary research.

The candidate should send the following documents to contact@greenenergypark.ma

- A curriculum vitae;
- Copies of university degrees (doctorate registration certificate);
- A research proposal linked to the project description and to one of the issue areas of the call (2000 words, containing an explanation of topic, Scientific background of candidate, Methodology for completion of research proposal);
- Letter of recommendation by a professor.