PhD Scholarship in Local Energy Communities and Multi-Energy Smart Microgrids

******This position is at the Faculty of Engineering Sciences of [Vrije Universiteit Brussel](http://www.vub.ac.be/en/), Belgium. The candidate will work in the research group [MOBI](https://mobi.vub.ac.be/about/what/) (Mobility, Logistics and Automotive Technology Research Centre). It has an international and multidisciplinary team of 100 specialists and currently participates in 25 running EU projects. MOBI is a top-notch research group with an international reputation in the fields of sustainable transport and its integration in the smart energy system of the future. MOBI is now involved in the development of the [Green Energy Park](https://greenenergypark.be/en) adjacent to Brussels. This is a living lab that will be unique in Europe and where the university, authorities and the industry collaborate to carry out cutting-edge research on *smart micro-grids, renewable energy and innovative transport solutions*. Recently MOBI has been very successful in its acquirement of innovative research projects for this new ambitious initiative, both on national and European level. In this context, we are offering a ***4 year scholarship for a PhD in Local Energy Communities and Smart Microgrids.***

**Tasks**

* R&D with respect to the scalable design and operation of smart microgrids hosting a wide variety of energy carriers and assets.
* Conducting the research according to the workplan of the project (including literature studies, simulations, data analysis, measurements etc. )
* Disseminate research results through conferences and journal publications
* Collaborate with other researchers (internal and external) and project partners

**Entrance requirements**

* Scholarship is open to all nationalities
* An academic Master degree in Electromechanical Engineering or Electrical Engineering
* Good knowledge of the electricity grid and microgrids
* Interest in research and development
* Good communication skills in English (speaking and writing)
* Ability to work both in a team and independently while carrying out complex tasks
* Proactive and able to take initiative

**Our offer**

* Competitive salary
* Scholarship for Phd
* Hospitalization cover
* Free use of public transport for travel to and from campus
* Extensive sporting facilities and a nursery on campus
* Young, international and challenging work environment at the cutting edge of innovative research

**Deadline for** **application:** 31/08/2019

**Starting date:** As soon as possible

**How to apply?**

Please send the following documents to: **ashleigh.hruz@vub.be**

* CV and Cover Letter
* Comprehensive details of academic track, including transcripts and scores;
* Copy Diploma