

## **Postdoctoral Scientist Position at IMDEA Energía to work on Energy Management Systems for Future Power Networks**

The Institute IMDEA Energy is a Research Centre created by the Regional Government of “Comunidad de Madrid” to develop world-class R&D on clean and renewable energy. The objective of the Institute IMDEA Energy is to achieve outstanding scientific and technological contributions and help create a sustainable energy future. In order to make such an impact across all energy-related research topics the Institute brings together high quality researchers, provides them with excellent infrastructures and resources and promotes close collaboration with the industrial sector.

The IMDEA Energy Institute is developing technologies for active management of future power networks to enable flexible, efficient and reliable integration of energy sources and storage elements while meeting the customer demand.

The Electrical Systems Unit is opening a *Postdoctoral Researcher Position* to work on developing Energy Management Systems for Future Power Networks, with the following characteristics:

### **Your Tasks:**

- R&D in energy management algorithms for distribution networks and energy systems.
- R&D in integration of renewable and energy storage technologies.
- Participation in national and international research projects in SmartGrids related topics. Development and validation of management algorithms in a laboratory environment.
- Dissemination and publication of research results in scientific journals. Supervision of doctoral researchers.

### **Your Qualification, Experience and Skills:**

- Ph.D. degree in Electrical and Electronic Engineering or Automatic Control Systems.
- Solid background in Power Engineering, Power Systems Economics, Optimisation Techniques.
- Good understanding of Power Electronics, Distributed Generation, Renewable and Energy Storage Technologies, Signal Processing, Machine Learning and Real-Time Control Systems.
- Prior experience in national and international projects.
- Fluent in English.

**Location:** Móstoles, Madrid, Spain.

**Remuneration:** Between 33,000-37,000 Euro per year, depending upon qualification and expertise.

**Duration:** The position is a one-year appointment with annual renewals depending on performance.

**Reference:** 18.37.SE4 POD

**We are looking forward to your application.**

For further information contact Dr. Milan Prodanovic, E-Mail: [milan.prodanovic@imdea.org](mailto:milan.prodanovic@imdea.org)

Applicants should send their Curriculum Vitae (publications list included) and covering letters by **January 25<sup>th</sup> 2019 at 15:00h** to the following address:

**email:** [contacto.energia@imdea.org](mailto:contacto.energia@imdea.org)

**Subject:** Reference **18.37.SE4 POD**