

Researcher in training at IMDEA Energy to work on Advanced heat exchangers and solar thermal processes

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 ultimate goal of the Institute IMDEA Energy is to achieve outstanding scientific and technological contributions in the creation of a sustainable energy system. The aim of the Institute is to make a significant impact in all energy-related research topics by bringing together high quality researchers, providing them with excellent infrastructures and resources and promoting their close collaboration with the industrial sector.

The High Temperature Processes Unit of IMDEA Energy develops research on electricity generation, and chemical energy carriers’ synthesis by means of high-temperature processes, mainly using concentrated sunlight, and industrial process heat.

IMDEA Energy is opening a Researcher in Training position on advanced heat exchangers and thermal engines:

Your Tasks:

- Process design and process simulation involving thermal technologies.
- Numerical investigation in advanced heat exchangers for high- and low-temperature applications.
- Extract useful engineering information from experimental datasets.
- Design of efficiency-optimised components for solar thermal applications.
- Dissemination and publication of research results in scientific journals.

Your Qualification, Experience and Skill:

- BSc. or MSc. degree in Mechanical Engineering, Chemical Engineering, Material Sciences, Physical Sciences or equivalent. Having less than 4 years in possession of this bachelor's degree.
- Experience in the use of engineering and scientific software (MATLAB, TRNSYS, EBSILON...) and programming languages (FORTRAN, C++...).
- Knowledge and/or familiarity with solar energy and thermal technologies.
- Accredited oral and written communication skills in English.

Location: Móstoles, Madrid, Spain.

Remuneration: Depending upon qualification and expertise of the candidate.

Duration: The position is available immediately and is a one-year appointment.

Reference: 18.38.AT6 PRE

Applicants should send their Curriculum Vitae, covering letter and student records with the average marks obtained not later than the **11th of January 2019 at 15:00h** to the following address:

email: contacto.energia@imdea.org

Subject: Reference **18.38.AT6 PRE**