

Company Description

A leading knowledge transfer centre providing competitive value to companies. IKERLAN is a Basque (<https://www.basquecountry-tourism.com/>) leading knowledge transfer technological centre providing competitive value to companies. We seek for excellence in R&D&i, thanks to the continuous adaptation to the needs of our customers and the proximity with the business reality. Faithful to our mission, we have been working daily since 1974 to develop solutions that allow our customers to become more and more competitive. We are a cooperative member of the MONDRAGON Corporation (<https://www.mondragon-corporation.com/en/>). Thanks to a unique cooperation model, which combines technology transfer activities, internal research and training of highly qualified personnel, IKERLAN is currently the trusted technological partner of major companies in the country. To meet our goal, we are structured in three technological specialisation units: • ELECTRONICS, INFORMATION AND COMMUNICATION TECHNOLOGIES • ENERGY AND POWER ELECTRONICS • ADVANCED MANUFACTURING IKERLAN is a centre that is dynamic and open to the world. We are an agent credited by the Basque Network of Science, technology and Innovation, and we have a major cooperation network integrated by renowned European

Information

 Deadline: 2019-11-17
 Category: Academia
 Province: Gipuzkoa

 Country: Basque Country
 City: Arrasate/Mondragon

Company

Ikerlan

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Main functions, requisites & benefits

Main functions

Development of power converter design, simulation and validation activities for applications related to inductive systems, such as non-contact energy transfer or induction heating. Development of design, simulation and validation activities for transformers and inductances. Hyperlinks: Energy and Power Electronics 2017. IKERLAN Power Electronics (<http://www.ikerlan.es/es/que-investigamos/sistemas-electricos-y-electronicos-de-potencia>) Wireless chargers.

Requisites

DEGREE IN Industrial Electronics and Automatics Engineering or Industrial Electronics and Industrial Automation Engineering. Master's in Advanced Electronic Systems or Master's in Energy and Power Electronics. THE FOLLOWING WILL BE CONSIDERED A PLUS: Experience in the design of magnetic power elements (coils, transformers, electrical machines) and power converters. Knowledge of simulation, design, integration and validation. Working tools: Matlab/Simulink, Flux, PLECS, Labview... ESSENTIAL Ability to relate and work in a team. Proactivity, responsibility and commitment.

