ENGINEER IN POWER ELECTRONICS: SPECIALISING IN POWER CONVERTERS

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

Main functions, requisites & benefits

Main functions

Description: Developing design, simulation and validation activities for power converters for various applications; traction, elevation, renewable energy, aeronautics, etc. Selecting and analysing topologies, semiconductor technology, for customer-oriented design; reliability, cost... Especially new generation technologies; Silicon Carbide and Gallium Nitride. Responsibilities: Project development. Communicating with the client.

Requisites

Education: 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 Experience: Experience in design, development and implementation of electronic power converters. Knowledge of simulation, design, integration and validation. Knowledge of the new power semiconductor technologies (SiC and GaN). Experience in power converter reliability analysis Working tools: Matlab/Simulink, PLECS, Labview... Skills: The ability to communicate from a technical point of view with the client. Initiative to suggest solutions and the ability to implement them. Autonomy, teamwork and relationship skills. Responsibility and commitment.

Benefits

What can we offer you? Working conditions that are adapted to you. Flexibility regarding working hours and calendar. Participation in decision-making. Continuous technical training. Cohesion activities. Camaraderie and a good atmosphere!