ESPA

Electronic Engineering Research and Development Position (TRARDE1510)

Start date
January 2022

Duration
6 months

Languages
Good spoken and written English levels are required
(B2 onwards)

Location
Chepstow, Wales
 Springing up around the Norman castle built at a strategic point overlooking the River Wye, Chepstow was a major medieval powerhouse. Nowadays, it's a lively town that combines the best of ancient and modern. Situated on the English-Welsh border you can easily get to both the lively cities of Bristol and Cardiff for shopping and nightlife. For outdoor types there are a plethora of beautiful countryside walks and if you love water sports
then a visit to NDAC is a must. Whatever your tastes, you won't get bored here!

Are you eligible?
Are you a registered student?
                    Or
Are you eligible to participate in the Erasmus+ programme?

Benefits
See website for details of all ESPA benefits. For all internships over 6 months, additional benefits will be paid. Details available at interview.

Role

This is a fantastic opportunity for an electronic engineering student, to gain hands on experience, at this world leader in energy harvesting and power electronics. Mentored throughout, you will join a talented team of scientists and engineers to research and develop Power Management Integrated Circuits (PMIC's) capable of harvesting energy from the surrounding environment be it Light, vibration or thermal, to power the billions of IoT sensors worldwide. The aim of this is to reduce the number of and eventually eliminate the need for batteries, not only saving money but also reducing the environmental impact of battery waste. If you have the skills, then apply today for this truly rewarding project and a great addition to your CV.

Tasks

- Research and test of novel power management devices

- Characterisation of novel power management devices

- Data analysis and visualisation

- Presentation of results to internal and external stakeholders

Desired Skills

- Preferably a first-class degree in Electronic Engineering or similar

- Relevant academic degree e.g. Electronics, physics, material science

- Electrical test experience

- Knowledge of semiconductor device physics

- Programming skills

- A flexible approach, with the ability to adapt to change and work to deadlines

- Excellent communication skills, great team-working and a proactive attitude

The Host Company

The host is an award-winning fabless semiconductor company. Their smarter energy harvesting PMICs provides the simplest, most effective, and most economical way to cut battery dependency in the billions of sensors used in IoT applications worldwide. You will join their ambitious world-class research and development team based on the outskirts of Chepstow, close by to Bristol.