Electronic Engineering -Product Applications

(TRARPA1510)

Apply here

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 support and assist product applications engineers, in the design and development of technology demonstrators and product reference designs, using a variety of research methods that provoke questions, provide a starting point for further investigation, experimentation, analysis and evaluation. The results will allow the host's innovative products to be showcased. You will work with both internal engineering teams, to understand the products and research potential industry sectors where they can be applied. If you have the skills, then apply today for this truly rewarding project and a great addition to your CV.

Tasks

- Assist a team delivering technology demonstrators, reference designs and evaluation kits
- Contribute to producing high-quality supporting collateral, such as datasheets and application notes, from experimentation, analysis, and evaluation
- Interact between customers, partners and internal engineering teams
- Produce and interrogate technical reports, to research and identify problems, progress, and achievements and communicate to the team
- Meet agreed schedules of key deliverables that are of high quality, reliable and fit for purpose

Desired Skills

- Studying for a degree in Electronic Engineering or similar
- PCB circuit design and layout
- Familiarity with bench testing of mixed-signal circuits using standard lab test equipment; PCB rework; trouble shooting and root cause analysis
- Experience of embedded software development, e.g., C/C++ with STM32, version control
- Experience of scripting and/or software programming for tests, e.g., Python
- Ability to work and interact with remotely located teams
- A flexible approach, with the ability to adapt to change and work to deadlines
- Excellent communication skills, great team-working and a 'can-do' 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 to Bristol.