

**ESPA**

Electronic/Electrical Research and Development Internship (NEUER1407)

[Apply here](#)**Start date**

October 2021

Duration

6 months

Languages

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

Location**North West England**

Centrally located between the buzzing cities of [Liverpool](#) and [Manchester](#) you will never be short of things to do. Both cities are famed for their premier league football clubs and musical history with both the [Beatles](#) and [Oasis](#), being just two of the many bands and genres coming from the North West. Liverpool has a [strong maritime](#) history and was the registered home of the [Titanic](#). Along with great shopping and nightlife there are also places to escape the city with [good transport](#) links to the beautiful [Peak](#) and [Lake District](#) National Parks

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 innovative Electrical Engineering student to gain, knowledge and experience, with this industry leader, in the research, development and production of organic thin-film transistors (OTFT) and sensors based on them. Mentored throughout, you will be placed in the sensor development laboratory, researching early tech developments, based on the OTFT platform, physical sensors for robotics. Able to think outside the box, you will form an integral part of this innovative project. This is a great chance to be involved at the cutting edge of technology, enhancing your skills and learning.

Tasks

- Undertake literature research to identify methods and protocols
- Work in a team to fulfil project requirements
- Design and test new methods and electrical circuits in laboratory settings
- Undertake statistical studies of sensor performances
- Analyse data
- Write work reports and make PowerPoint presentations for the company

Desired Skills

- Studying for a degree in electronics, engineering, physics, chemistry or similar
- Understanding of biology and physics a bonus
- Experience analysing data in Python, R or similar
- Experience working with electronics lab equipment
- Excellent communication skills

The Host Company

The host company is a leader in the development and manufacture of organic thin-film transistors (OTFT), commonly used in wearables such as fitness watches that bend around the wrist and curved televisions where flexibility is the key factor. They are now in an exciting new phase of developing sensing technologies based on the OTFT platform including, but not limited to, chemical, gas, temperature, and biotechnology. Expanding rapidly, they are seeking exceptional students to join them on their exciting journey.