Materials Science Internship_Electronics Industry

(PRAMAS2306)

Apply here

Start date
Flexible

Duration
6 months

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

Location
North East England

North East England has produced many brilliant people, ideas, inventions, and innovations that are responsible for changing the world. This area of England boasts more than just scenic panoramas and beautiful cities, it is home to some of the best companies, universities, and innovation centres in the country.

Are you eligible?
You are eligible for an ESPA internship if you are a registered student or have graduated within the past two years and have access to some form of grant funding.

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 electronics, physics or materials science student to gain hands on experience, at a world leader in ultra-low-cost flexible electronics. Mentored throughout, you will join the talented team of R&D scientists and engineers to carry out device fabrication, electrical test, material characterisation and data analysis of the next generation of flexible integrated circuits. (IC's). If you want to gain invaluable experience and be part of the latest IC technologies, then apply today.

Tasks

- Fabrication and test of novel semiconductor devices
- Evaluating new materials
- Thin film characterisation
- Data analysis and visualisation of IC performance
- Presentation of results to internal and external stakeholders

Personal Skills

- Relevant academic degree e.g. electronics, physics, material science, etc.
- Microfabrication experience.
- Experience with electronic test equipment: probe stations, SMUs, LCRs, oscilloscopes, power supplies, digital pattern generators, waveform generators, etc.
- Thin film characterisation experience.
- Knowledge of semiconductor device physics.

The Host Company

This award-winning host's novel products are being adopted by a growing base of global companies across diverse markets, including consumer goods, games, retail, pharmaceutical and security. With a billion-unit production facility, the host company's unique, patented technology platform opens up the opportunity to invent entirely new applications for electronics. Their mission is to create more connectivity, create more designs and create more devices. With staff from over a dozen countries, covering 5 continents, the company culture promotes an open and collaborative environment, committed to delivering a new generation of electronics to address real world issues.

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