

Positions available: Scientist with electrochemistry experience

Company description

Ilika (www.ilika.com) is a pioneer in solid state batteries. The company has developed miniature thin-film solid state batteries for Internet of Things (IoT) applications and is now developing large format solid-state cells for electric vehicles.

Ilika is a publicly listed company with its head office in Romsey and a facility at the University of Southampton where this position will be based. We offer the successful candidate a competitive package and the opportunity to be part of a world class research team using state of the art equipment in a supportive environment.

Role description

Ilika has developed a manufacturing process to produce thin film solid-state batteries for Internet-of-Things. In the last 3 years the Stereax® M50, M250 and P180 cells have been launched. We are continuing to develop mm-scale thin film solid-state batteries, making them ideal for small sensor driven devices (as indicated on the Ilika Stereax® Roadmap on our website). We are looking for a highly motivated, team-oriented individual to join our thin-film Stereax team that will bring with them experience in electrochemistry.

Responsibilities:

- Recognise the importance of and create an inspirational can-do culture in the organisation, with a focus on process improvement, adding value to the business.
- Taking the initiative in proposing and implementing solutions for areas for improvement in the Company's operations.
- Maintaining ISO 9001 standards.
- Electrochemical verification and qualification of solid-state battery samples.
- Characterisation of prepared samples with techniques to confirm composition, structure etc.
- Fault-finding, root cause analysis.
- Interact with wider team to communicate findings.

To be successful in this role you will possess the following:

- Proven track record in electrochemistry, preferably in an industrial lab environment.
- Experience in a range of electrochemical techniques and ideally in battery testing procedures (e.g. GC, GITT, EIS etc.).
- Ability to design and develop tests and procedures for measurement of specific electrochemical parameters of thin film samples.
- Experience in a range of characterisation techniques would be an advantage (e.g. XRD, XPS, SEM, EDS, ellipsometry, Raman).
- Ability to design, implement and deliver lab-based measurements for characterisation and validation.
- Knowledge of battery chemistry and materials is beneficial.
- Good attention to detail, self-motivated and proactive.
- Demonstrated ability to work both independently and collaborate within a team.

Applicant must be eligible to work in the UK.

Ilika is an equal opportunities employer and positively encourages applications from suitably qualified and eligible candidates regardless of sex, race, disability, age, sexual orientation, gender reassignment, religion or belief, marital status, or pregnancy and maternity.

Contact: careers@ilika.com