LUMINESCENT POLYMERS – DEVICE PHYSICIST / MATERIALS SCIENTIST – nr CAMBRIDGE, UK

Shine on!

How can we improve the lifetime of fluorescent and phosphorescent Ink Jet printed devices?

An opportunity to apply your understanding of materials which might promote a longer lifetime for the active luminescence and develop methods to research and test and by correlating materials properties and process parameters to device performances. You will then be able to implement the improved understanding in this area, to aid development of new materials, deposition processes and device structures with better performance.

This is directly connected with the exciting world of plastic circuitry and polymer technology / organic light-emitting diodes (P-OLEDs). This fundamental luminescence principle has found industrial applications in colour displays for cars and mobile phones and in the development of ultra flat screens. *P-OLEDs enable the manufacture of displays so thin they could even be put onto a t-shirt.* Polymer Organic Light Emitting have begun to pose a serious challenge to the established flat screen display technologies such as LCD or Plasma. This is your chance to join a leading name in the research, design and development of products that incorporate this amazing technology.

You will be required to design, propose and execute experiments, write batch travellers and analyse device data to identify potentially interesting materials/processes and to optimise their performances. You will also need to collect relevant data and analyse them to extract statistically significant correlations between device properties and material and process parameters. You will be responsible for formulating recommendations either within or outside the organisation, testing devices for failure mode and film characterisation and when required participate to fabrication (especially for evaluating new materials, architectures and methodology). Liaison will include the line manager, Devices Group Leader and Ink Jet Task Force Project Leader for research direction and provide feedback to the group. You will also get the opportunity to summarise experiment data and present and discuss with colleagues in Research, in the Ink Jet Project Team and with Research Team in Tsukuba, Japan.

You will based at a state of the art Technology Development Centre which was set up to ensure that all the processes and materials under development can be implemented reliably and cost effectively in mass production. Though not at mass production scale, the plate size and throughput ensures that industrial

feasibility of materials, devices and processes can be proven the equipment is flexible enough to carry out a wide range of trials, either in process development of standard processes, or for large scale trial runs for licensee partners. The facility can also run major process development projects for partners wishing to perform large scale industrial feasibility trials to validate investment decisions.

This expanding specialist development centre is involved in a variety of activities that mirror those of a commercial production plant and incorporate areas such as Photolithography, Ink and device development Polymer deposition, Cathode deposition and encapsulation, Assembly, test and Technology transfer.

Let us through more light of this amazing opportunity for you!

Send us your enquiry and CV today to discover more about this and other positions in this advanced technology.

Call the New Discovery team at Phoenix&York to discuss more this unique opportunity

+44 (0) 1202233818 (before: 16:00)
+44 (0) 2081336012 (after: 16:00)

www.new-dr.com and www.phoenixyork.com

Or email your CVs and enquiry to jobs@new-dr.com