



**SCIENTIST, STRATEGIC INNOVATION GROUP (SIG)  
CTO OFFICE  
GODMANCHESTER**

CDT currently requires a Scientist, SIG to improve the performance of solution-processable lighting tiles by the evaluation and development of novel device architectures and processing techniques. This role will require using an understanding of materials and device properties to aid development of the device performance and fabrication process in line with customer requirements, including deposition methods, and statistical analysis of yield.

In this role you will design and execute experiments to evaluate the performance and potential of new materials, either fluorescent or phosphorescent emitters or charge transporting systems in different device platforms to achieve high performance lighting devices. Additionally, you will design and evaluate experiments to correlate device structure and process parameters to device performance. With the help of modern statistical tools support, you will identify correlations between materials properties, processing parameters and device performances. Additionally, you will communicate effectively with all team members of the Technology Development Centre and the Research function to distribute results, resolve problems and provide next step recommendations. You will also help generate Intellectual Property.

Ideally you will be educated to PhD level, or equivalent, in Physics or a related subject. You will have excellent knowledge of device analysis and statistical methods and you will be familiar with optical modelling. Furthermore, you will have laboratory experience of electrical and optical testing of devices and have experience in programming (labview, visual basic). Computer literacy is essential for this role including familiarity with Windows 2007 and Microsoft Office products. You will possess strong interpersonal and team-playing skills with the ability to operate in multi-disciplinary and cross-functional team. You will also be self-motivated and will show initiative and certainty along with the ability to operate independently in a laboratory environment.

This is an outstanding opportunity to be part of a dynamic environment where your contribution will earn full recognition and reward. CDT offers a competitive salary and benefits package including 27 days holiday, private health and dental care, life assurance and pension scheme. Please apply with full CV to: The Human Resources Department, CDT Ltd, Building 2020, Cambourne Business Park, Cambridgeshire CB23 6DW. E-mail: [careers@cdtltd.co.uk](mailto:careers@cdtltd.co.uk). Please quote the reference 'Scientist, SIG' in the subject heading.

A full job description is available on request.

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