



New Academic Appointment - Lecturer in Photonics,

Starting Salary from

Grade 7: £37,152 - £40,313/ Grade 8: £41,430 - £48,873

(incl. London Allowance of £2919 per annum)

The Department of Electronic and Electrical Engineering at UCL is recognized as one of the leading Departments for research in its subject area, worldwide. Current research areas in the Department include Communications and Information Systems; Electronic Materials and Devices (including Nanotechnology); Optical Networks; Photonics and Sensors, Systems and Circuits. The Department also has an extensive teaching programme both at undergraduate (BEng and MEng) and Masters level. Postgraduates substantially outnumber undergraduates in the Department. Further information about the Department can be found at www.ee.ucl.ac.uk.

The Department now wishes to make one appointment at Lecturer level to undertake world-leading research in the area of III-V Semiconductor Epitaxy and Mid-Infrared Silicon Photonics.

For this appointment we seek a candidate with research experience in semiconductor epitaxy, whose research should be aligned with our existing programme in III-V semiconductor materials and devices and group-IV epitaxial materials and devices. The candidate will be expected to develop next-generation mid-infrared sensing technology building on our internationally recognized program on III-V Devices and silicon Photonics. Demonstrated expertise in III-V compound semiconductor epitaxy and/or group-V epitaxy in solid-state Molecular Beam Epitaxy is essential. Particularly desirable would be expertise in III-V/Si integration and quantum structured infrared photodetectors and emitter.

Applicants should have a record of carrying out internationally leading research in the epitaxy of III-V and/or group-V semiconductors and mid-infrared optoelectronic devices, together with demonstrated or strong potential ability in obtaining the support necessary for work at the highest international level, and an outstanding publications record. The ability to interact with industry and academic partners (domestic and international), and interest in creating and maintaining connections with major industrial and academic players within the broader mid-infrared photonics community, will be an asset.

The ability to inspire students and research staff to achieve their full potential is also of great importance to us.

The salary will be set according to experience in the range of Grade 7: £37,152 - £40,313/ Grade 8: £41,430 - £48,873 (incl. London Allowance of £2919 per annum)

How to apply

Please apply online via the following link:

www.ucl.ac.uk/hr/jobs and search for reference 1462141

You will need to upload the following documents with your application:

- CV (including the names and contact details of at least two referees who may be contacted prior to interview.)
- 2 Page (maximum) description of the research plan you propose to pursue at UCL, including how the proposed research would contribute to the Department's research profile, its resource requirements and how these would be met, and the likely outcomes and timescales

If you experience any problems please contact Vicky Coombes at v.coombes@ucl.ac.uk quoting Job reference **1462141**

Informal enquiries regarding the post can be made to Professor Huiyun Liu on huiyun.liu@ucl.ac.uk

Please do not send CV's direct.

Closing Date: 14th June 2015 at 5.00pm

It is planned to short-list candidates in June 2015, interview in July 2015 and for the successful candidate to take up the position as soon as possible thereafter.

We particularly welcome female applicants and those from an ethnic minority, as they are under-represented within UCL at this level.