

Job posting

Type of position

scientific
administrative

Target group

graduates
post docs
other

Title 2 Early Stage Researcher (Ph.D. Position)
ITN MITEPHO, London, UK

Institution University College London (UCL)
<http://www.ee.ucl.ac.uk/>

Position UCL is offering a PhD position (ESR) for an outstanding candidate to carry out component and system development work in the area of THz Photonics. UCL will provide the necessary resources including state of the art high speed photonic characterization facilities and a fully-equipped clean-room facility for device fabrication.

Responsibilities 1. Characterization of optimized semiconductor based antenna integrated 1.55 μ m travelling wave uni-travelling carriers photomixers for millimeter-wave to THz signal generation for applications ranging from non-destructive detection to wireless high data rate transmission.
2. Design, development and characterization of integrated heterodyne THz systems, based on dual lasers and integrated phase lock loops.

Requirements MSc degree or equivalent in Physics or Electronic/Electrical Engineering
Years of Research Experience: Max. 4 years

Application procedure (deadline etc.) How to apply: e-mail
Application Deadline: 30/08/2010
Job Starting Date: 01/10/2010

Contact Dr. Cyril Renaud
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More information about the ITN MITEPHO can be found on the official website:
http://www.uc3m.es/portal/page/portal/grupos_investigacion/optoelectronics/european_projects/mitepho

