Our largest ever group of students recently started the Masters of Research (MRes) in Photonic Systems Development with us at both UCL and Cambridge. **Our exceptional students are now looking for companies to offer industry linked research projects** for them from May - Sept 2013 and also to suggest topics for their PhDs starting in September. This is a very cost effective opportunity for companies to do research and development and potentially find a top graduate to employ when the student finishes his or her studies. To discuss offering a student project, please speak to the Centre Administrator, Tim Bodley-Scott pictured below.

Centre Administrator: Tim Bodley-Scott
(t.bodley-scott@ucl.ac.uk) or call +44(0) 20 7679 3976.

UCL UNIVERSITY OF CAMBRIDGE EPSRC

www.photonicsystems.org

UCL and the University of Cambridge invite you to their Annual

PHOTONICS INDUSTRY DAY

Light is vital for life. **It is essential for a wave of new technological developments which will transform our world for the better. Cambridge University and UCL have joined forces to develop the next generation of photonic systems, pioneering research with light.**

UCL UNIVERSITY OF CAMBRIDGE EPSRC

Please join us at Cambridge University on

Monday 14 January 2013, 10am-3.30pm

William Gates Building, 15 JJ Thomson Avenue
Cambridge CB3 0FD

Registration/directions go to: www.photonicsystems.org

TWO UNIVERSITIES ONE CENTRE - ONE COURSE

Two world leading universities - University College London and the University of Cambridge - have combined their expertise in photonics to establish an exciting Centre for Doctoral Training (CDT) in Photonic Systems Development, leveraging their current strong collaborations in research and innovation.

The Centre trains postgraduate students, using innovative teaching and learning techniques and collaborates closely with a wide range of leading companies and research centres worldwide. We create graduates with the skills and confidence necessary to drive future technology research, development and commercial exploitation, as photonics becomes fully embedded in electronics-based systems applications ranging from communications to sensing, industrial manufacture and biomedicine.

During the day we will be showcasing some of the Centre's research and achievements so far, describe some example projects and give you the opportunity to meet both the students and academics involved with the Centre and consider offering our students the chance to contribute to your research agenda and make a real difference to your company.

JOIN US to:

- View latest applications for photonics
- See poster displays showcasing the latest research discoveries
- Meet students and academics developing solutions for applications
- Attend presentations from technology leaders
- Explore collaborative research opportunities for your company
- Discuss offering a mini-project to one of our outstanding students
- Network - refreshments & buffet lunch provided

Schedule for 14 January 2013

10.00 Arrival: *Registration and Coffee*

10.30 Introduction to the CDT in Photonic Systems Development: *Prof Alwyn Seeds (UCL)*

10.45 EPSRC Photonics Programme: *Susan Peacock (EPSRC)*

11.05 Keynote Presentation: *Prof Michael Wale, Director Active Products Research, Oclaro*

11.25 Company Presentations

12.30 Buffet lunch

Informal discussions with the CDT students and academics

13.30 CDT Student Presentations

14.30 Working with the Centre, Project Proposal arrangements: *Dr Cyril Renaud (UCL)*

14.45 Photonic Systems Opportunities: Discussion *Prof Richard Penty (University of Cambridge)*

15.00 Tea and informal discussions

15.30 Close

EPSRC UCL-Cambridge Centre for Doctoral Training in Photonic Systems Development

Join with us and share in our world leading research

We welcome forming new relationships with organisations based in the UK. Collaboration with industry is a key part of our function and we have a long history of working with industrial partners at a wide range of levels. Through the Centre, we are keen to develop and strengthen our links with industry, public bodies and other groups of interest for mutual benefit.

We offer member companies the following benefits:

- Facilitated access to UCL and Cambridge researchers and students via a range of Working Groups, workshops, Industry Day and symposium events and strategic research project collaborations.
- Coordinated, customised recruiting events and access to student CVs to help you recruit the most talented personnel
- Development opportunities including the opportunity to present guest lectures
- Exposure to current and emerging areas in UCL and Cambridge research and IP licensing and joint venture opportunities.
- Opportunity to contribute to our Advisory Board and directly shape the doctoral training programme offered by the Centre.

Some of our current research includes …

- **New "optical radio" photonic communications systems.**
- **Green information processing and transmission.**
- **Information displays with limitless resolution and order of magnitude improved power efficiency.**
- **Photonic systems integrated on common substrates with electronic systems for biosensors of all types.**
- **Photonics integrated into industrial processing and manufacture and sensing systems.**
- **The application of photonic communications to computing, personal information systems and consumer products (via board-to-board, chip-to-chip and future on-chip interconnects.**
- **Techniques for the low cost roll out of optical fibre to replace the copper communications network.**
- **The substitution of many conventional lighting products with photonic light sources.**
- **Applications of photonics in medical diagnostics and personalised medicine.**

We believe that our integrative approach to photonic systems research and development of novel devices is capable of having the transformative effect that the development of integration has had on electronics and its applications.