



# Silicon Photonics Adoption in UK Industry

Wednesday 11th October 2017 • Ricoh Arena, Coventry, UK

## PROGRAMME

10:30 **Introduction and welcome.**  
Prof Graham Reed

**SESSION 1 : CHAIR** | Dr Callum Littlejohns

10:40 **KEYNOTE SPEAKER**

**How Rockley Photonics works with academia, and why it works for us**  
Dr Andrew Rickman, *Rockley Group, UK*

11:10 **The Cornerstone Project: UK Silicon Photonics Fabrication Capability based on DUV Photolithography**

Dr Stevan Stankovic, *University of Southampton, UK*

11:30 **Challenges & Developments of Silicon Photonics Epitaxy**  
Stuart Edwards, *IQE Silicon, UK*

11:50 **Silicon Photonics and UK industry strategy**  
Dr John Lincoln, *University of Southampton, UK*

12:10 **400G and beyond: the role of silicon photonics in high speed optics**  
Tony Pearson, *Finisar Corporation, USA*

12:30 **Dielectric Photonics as a technology for next generation LAN-WDM**  
Dr Bill Ring, *BB Photonics, UK*

12:50 **Conclusion and close of morning session.**

**SESSION 2: Chair** | Dr Callum Littlejohns

13:50 **KEYNOTE SPEAKER**

**Nanoscale epitaxy: enabling III-V on Silicon**  
Prof Diana Huffaker, *Cardiff University, Institute for Compound Semiconductors, UK*

14:20 **Silicon photonics - a gateway to the digitisation of society**  
Richard Pitwon, *Seagate Systems (UK) Ltd*

14:40 **Practical quantum-dot lasers monolithically grown on silicon for silicon photonics**  
Professor Huiyun Liu, *University College London, UK*

15:00 **Don't forget the electronics – considerations for highly integrated silicon photonics devices**  
Christian Rookes, *HiLight Semiconductor Ltd, UK*

15:20 **The evolution of photonics packaging**  
Bob Musk, *Entroptix Ltd, UK*

15:40 Concluding comments by Professor Sir David Payne

15:50 End of meeting.

*The exhibition remains open until 17:00*

**EPSRC**

Engineering and Physical Sciences  
Research Council

**AN EPSRC PROJECT OUTREACH EVENT**

The **FUTURE PHOTONICS** Hub

Advancing the manufacturing of next-generation light technologies

UNIVERSITY OF  
**Southampton**



## TECHNICAL PROGRAMME COMMITTEE

**Dr Callum Littlejohns** (Chair),  
Optoelectronics Research Centre,  
University of Southampton, UK

**Stephen Duffy**  
Optocap Ltd, Livingston, UK

**Prof Michael Lebbey**, Lightwave  
Logic Inc, Colorado, USA

**Dr Wyn Meredith**,  
Compound Semiconductor Centre  
(CSC), Cardiff, UK

**Prof Graham Reed**,  
Silicon Photonics Group Leader,  
University of Southampton, UK

**Prof Alwyn Seeds**,  
Professor of Opto-electronics,  
University College London, UK



**SILICON PHOTONICS**  
for Future Systems

'Silicon photonics adoption by UK  
SMEs' is an outreach meeting of  
the EPSRC funded **Silicon  
Photonics for Future Systems  
(SPFS)** project and The Future  
Photonics Hub.

ADMINISTRATION & ORGANISATION

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**MORE INFORMATION**

**[enlightenmeetings.com](http://enlightenmeetings.com)**

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## INTRODUCTION

Silicon photonics is a rapidly evolving research field that has recently attracted a lot of interest from both academia and the semiconductor industry. This meeting is led by a team from the Optoelectronics Research Centre at the University of Southampton and includes contributions from key research groups around the UK, with the involvement of companies currently adopting silicon photonics technologies.

## CALL FOR POSTERS

This meeting is an opportunity for you to contribute to research knowledge, to meet with like-minded researchers and to network at a high level.

The main meeting programme will be by invitation however we are keen to involve students and early career scientists who are researching novel and exciting new techniques or unique applications.

We invite abstracts for poster presentation which will be peer reviewed and accepted on the basis of their technical merit.

Posters will be located inside the Photonex exhibition area for maximum exposure, impact and will provide an invaluable networking opportunity.

### Two poster prizes

One will be given for the best presented poster - voted on by delegates and a second for technical merit - voted on by the organising committee.

### ABSTRACT SUBMISSION:

Email please to [info@enlightenmeetings.com](mailto:info@enlightenmeetings.com) and quote "Poster submission / Silicon Photonics" in the subject line.

Please provide a 100-200 word abstract.

**Deadline for submission: 25th September 2017**

Authors will receive acceptance notification within 48 hours.

## CONFERENCE REGISTRATION

**Register in Advance. Free Event**

At **PHOTONEX** | THE EVENT WHERE LIGHT TECHNOLOGIES **COME ALIVE!**

ADMINISTRATION & ORGANISATION  
Brenda Hargreaves, Enlighten Meetings/Xmark Media Ltd  
T: +44 1372 750555 Email: [info@enlightenmeetings.com](mailto:info@enlightenmeetings.com)



**Register in Advance. Free Event**

## WHAT TO DO NEXT

- Send this information to colleagues and associates who may be interested
- Register yourself to attend the event.

*Once registered you will be sent regular updates.*

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