

Future Compound Semiconductor Manufacturing Hub Newsletter

January, 2018



Welcome to 2018 from the CS Hub!



"2017 saw the foundations for the success of the Future Compound Semiconductor Manufacturing Hub (CS Hub) become well established, and we look forwards to a promising and exciting 2018.

Our Cardiff University Hub, is working seamlessly together with our spokes at Manchester University, Sheffield University, and University College London towards addressing the significant challenges of high volume, high quality and low cost manufacture of compound semiconductors via industry relevant research.

A core set of our 30+ industrial collaborators work with us to support and ensure the relevance of our research.

We have truly begun our journey towards revolutionising compound semiconductor manufacture, exceeding our expected performance and making significant progress towards our strategic objectives."

Prof Peter Smowton
CS Hub Director

Come and see us in January @

- IoP reception, Welsh Assembly, Cardiff. Jan 18;
- CoInnovate 2018, Mercure Holland House Hotel, Cardiff, Jan 24.

SIOE Conference Call for Abstracts

The Semiconductor and Integrated Opto-Electronics (SIOE) Conference will take place in Cardiff, Wales, 27-29th March 2018. Deadlines: Abstract submission – 1st Feb. Registration – 27th March.

<http://compoundsemiconductorhub.org/2017/12/28/sioe-conference-call-for-abstracts/>

CS Hub Studentships Available

We have a number of available PhD studentships available. Details are on our website. Applications are requested from UK and EU nationals with an excellent first degree in Physics, Engineering or Materials Science and a good background in semiconductor physics.

Engineering Wales Conference

The Hub shared a joint trade stand with the Institute for Compound Semiconductors (Cardiff University) at the first "Engineering Wales" conference. Designed to enhance the voice of engineering and promote Welsh activities and scientific achievements, of which, compound semiconductor activity is a significant component, the conference also included a workshop on the South Wales Compound Semiconductor Cluster hosted by Prof Paul Tasker and Dr Wyn Meredith.

Wins at the BEPA Awards 2017

Prof Peter Smowton, CS Hub Director was awarded **Individual Impact**, recognising his leading efforts in compound semiconductor manufacturing research, work with other universities and 30+ businesses, as well as running a KTP with industry leader IQE.

Further recognition was received by the CS Hub host institution, Cardiff University, winning **University of the Year** by virtue of it's plans to create a new innovation campus for industry partnerships and the generation of £13.4m from intellectual property (2017).

The Economic Impact Award was also received in relation to work undertaken by the CS Hub, recognising the collaboration between Cardiff University and IQE for their work in building a compound semiconductor cluster in South Wales.

New CS Hub website launched

Launched at the end of December 2017, the new CS Hub website is the place to visit for CS Hub related information, news and much more. Take a look at:

<http://compoundsemiconductorhub.org/>



Feasibility Studies in CS Manufacturing Challenges:

Call for Proposals OPEN NOW for funds to enable the inclusion of new academic and industrial CS Hub partners bringing additional value to key manufacturing challenges in CS research. Funding is for 8x £40k awards for up to 6 months, with follow on funding for 4x £120k awards. Funding is intended to lead to a large scale EPSRC or Innovate UK application with strategic alignment to the CS Hub. See our website for details and to apply.