

## Advanced Packaging for Compound Semiconductor Applications

Thursday 8 February 2018, The Studio, 7 Cannon Street, Birmingham, B2 5EP

### Highlights:

- *Why Advanced Packaging is Crucial for Compound Semiconductors in Power, Photonics and RF/Microwave Applications*
- *Compound Semiconductor Applications Catapult Update*
- *Excellent Networking Opportunities*

With the emergence of wide bandgap semiconductors (e.g. SiC, InP and GaN), the standard electronics packaging and interconnection technologies have become the limiting factor determining the performance and efficiency of the new semiconductor components. In order to achieve the dramatic improvements that are required in the performance, reliability and cost-effectiveness of future electronics systems, an integrated approach based on advanced packaging technologies of new generations of compound semiconductor devices with integrated functionality, standard interfaces, suitability for mass production and application versatility is required.

This workshop aims to bring together an array of electronics packaging experts and practitioners to present a comprehensive review of advanced packaging technologies applied to areas of power electronics, photonics, RF/Microwave and sensing, where compound semiconductors are already making an impact.

The event provides training for staff who need to be aware of the benefits of employing advanced packaging technologies for the design and manufacture of new products utilising compound semiconductors. It will also serve as a refresher for those who wish to expand the breadth of their knowledge and build their network of contacts in the field of advanced packaging.

Join us at the prestigious one day workshop event to learn, network and source in the field of advanced packaging for compound semiconductor applications.

### Registration:

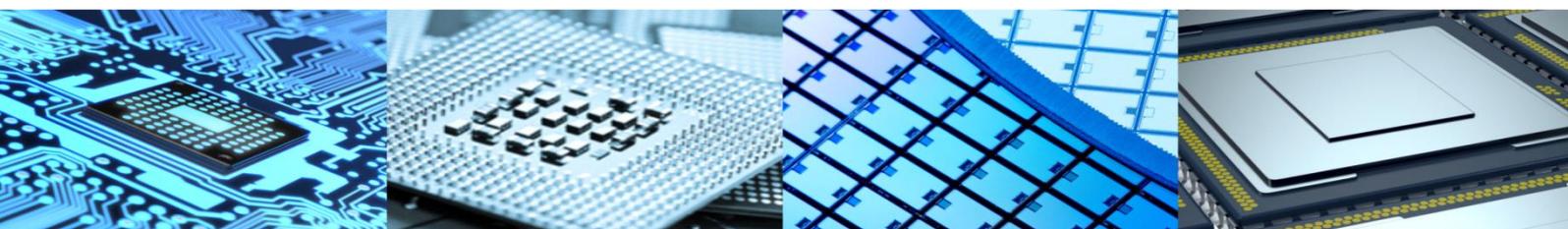
<http://www.imaps.org.uk>

	<i>Delegates</i>
<i>IMAPS Member + CoSSIG Member</i>	<b>50</b>
<i>Non member</i>	<b>80</b>

*Prices - £ exclude VAT, inclusive of lunch & refreshments*

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### Provisional Workshop Agenda:

**09:00 Registration and Networking**

**09:30 Welcome and Introductions**

**10:00 Session One: Do Compound Semiconductors Applications need Advanced Packaging?**

- Power Devices
- Photonics
- RF/Microwave

**11:30 Session Two: Equipment, Materials and Processes**

- Component soldering
- Laser bonding
- Compound Semiconductor Applications Catapult

**12:30 Lunch and Networking**

**13:30 Open Floor Session**

- Questions and Answers

**14:15 Session 4: Case Studies**

- Case Studies from four companies

**15:45 Summary and Wrap Up**

**16:00 Close**

#### Workshop Venue:

The Studio  
7 Cannon Street  
Birmingham  
B2 5EP

#### Registration

Registration via the event webpage on the IMAPS-UK website: [www.imaps.org.uk](http://www.imaps.org.uk)

For further details, please contact IMAPS-UK.

### Innovate UK: Knowledge Transfer Network:

The Knowledge Transfer Network (KTN) is Innovate UK's network partner and also provides innovation networking for other funders in line with its mission to drive UK growth. For more information please see here: [www.ktn-uk.co.uk](http://www.ktn-uk.co.uk)

The **KTN Compound Semiconductors Special Interest Group (CoSSIG)** brings together the wide range of innovators in this field and links them up with the end user community by providing networking and dissemination opportunities across multiple sectors.

For more information please see here:

<https://ktn-uk.co.uk/interests/compound-semiconductor-applications>

### IMAPS-UK Workshops – Your Chance to Learn:

IMAPS-UK workshops offer delegates the opportunity to learn about the issues and complexities of microelectronics assembly technologies. They provide professional development through in-depth, real-life insights into materials, processes and equipment applied to current and future electronics.

This workshop features state of the art tutorials on advanced packaging technologies, case studies of issues encountered on real projects and opportunities to network with leading technology providers.

Recent IMAPS-UK workshops have sold out rapidly and early booking is advised to avoid disappointment.

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