

iPower5 Conference "Get Up to Speed"

British Motor Museum, Gaydon, Warwickshire

Wednesday 29th November 2023

[Register Here](#)



Highlights

Sintering Processes for Power Electronics

Latest Power Devices and Applications

Embedding Processes

Results of National Semiconductor Strategy on Advanced Packaging

Non-Destructive Inspection Techniques

Visit British Motor Museum

The IPower 5 – Get up to Speed Conference will address some of the most significant challenges to be faced by a wide range of electrical and electronic based industries in the next decade. Achieving reliable and fully functional products to market will require electronic and electrical packaging solutions that can operate at higher currents and voltages, faster frequencies and increased temperatures. This conference will hear from OEMs, material and equipment suppliers and academia about the current and future solutions to meet these demanding requirements.

The Conference will describe the latest advances in **power electronics devices and applications, sintering, embedding, singulation and inspection techniques** There will also be the opportunity to be updated on the results of the **National Semiconductor Strategy study including Advanced Packaging** from the Institute for Manufacturing.

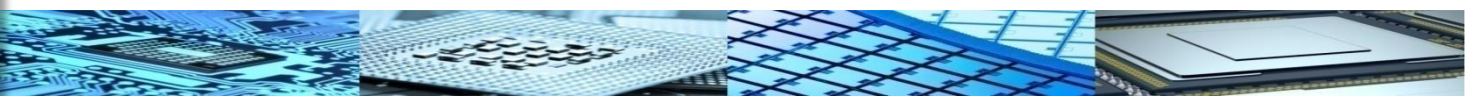
iPower5 aims to provide the **Delegates** with an opportunity to learn from and network with **leading Industry Experts and Exhibitors** as they share their experiences, developments and opportunities. There will also be time available to visit the **British Motor Museum** at the end of the day to view the world’s largest collection of historic British cars.

Registration Prices

	Delegates
IMAPS Member	85
IMAPS Student	30
Non member	155
Corporate Member Exhibitor	385
Non-Member Exhibitor	585

Prices - £ exclude VAT

"Where Industry Meets"



Provisional Conference Agenda:

08:30 Registration and Networking

09:30 Welcome, Introduction to IMAPS-UK

09:45 Session One: Devices and Applications

- **Keynote: Latest Advances in Devices and Modules for Electric Vehicles** – Professor Phil Mawby, University of Warwick
- **Device Developments** - TBD
- **Embedded PCB Power Modules** – Stylianos Syrigos, Microchip Inc

11:05 Exhibitor Pitches

11:15 Refreshments, Exhibition and Networking

11:45 Session Two: Sintering

- **Novel Interconnection and Packaging Technologies for Power Modules** – Huub Claasen, Boschman
- **Sintering Materials** – Roartis/IQ-Bond
- **Scanning Acoustic Microscopy of Sintered Joints** – Heaklig Ayala, University of Warwick

13:00 Lunch, Exhibition and Networking

14:00 Session Three: Semiconductor and Packaging Strategy

- **National Semiconductor Strategy for Advanced Packaging** – Institute for Manufacturing
- **NMIS Power Electronics Packaging Line** – Andy Longford, Panda Europe

14:50 Refreshments, Exhibition and Networking

15:10 Session Four: Dicing, Trimming and Forming

- **Plasma Dicing - Can the benefits of plasma dicing of silicon be exploited for SiC Power Device Manufacturing**– Richard Barnett, KLA
- **Perfecting the Package; Innovative Final Assembly Steps for Power Module Manufacturing** – Steve Derksen TFA Trim and Form, Automation Europe BV
- **Modelling the Impact of Cosmic Rays on the Reliability of Power Semiconductor Devices**, Gabriel Parkinson, University of Nottingham

16:25 Closing Remarks

16:30 Option to Visit British Motor Museum

17:00 Depart

Sponsorship of iPower 5

Contact office@imaps.org.uk for more details.

Registration for iPower5

Delegates will receive a **Conference Booklet (PDF)** containing details of the **Presentations and Speakers** and details of the **Exhibitors**. The **presentations** will be available to **download from the IMAPS-UK website** after the event.

Exhibition Opportunities

Our Exhibitor Package includes:

- Table-top with space for 2 roll-up banners
- Place for one person with full access to the Conference
- A 200 word description in the Event Programme (PDF) including contact details and logos
- One sentence description on event page and link to organisation website
- Short introduction to the delegates during the Conference

Contact office@imaps.org.uk for more details.

The Venue

**British Motor Museum,
Banbury Road,
Gaydon,
Warwickshire,
CV35 0BJ**

www.britishmotormuseum.co.uk

British Motor Museum

A purpose-built conference centre and event venue, as well as home to the world's largest collection of historic British cars.

