

**Annual Conference: 7-8 July 2026**  
**Call for Abstracts from EARLY/MID CAREER**  
**RESEARCHERS**



**Conference Venue: Nucleus Building, University of Edinburgh**

The **Centre for Power Electronics (CPE) Annual Conference** will bring together the Power Electronics, Machines and Drives Community to review the latest Research and Development that will impact the Electric Revolution. This Conference will feature Invited Keynotes and Presentations from Leading Academics and Industrialists, views of the Future Demands for Power Electronics and Drives and Opportunities for Pursuing a Career in this exciting field.

As part of the remit for the continuation of the CPE activities to foster an Active Academic Community, part of the Conference programme will be dedicated to highlighting the work being undertaken by Researchers at an early and mid stage in their career; to increase the visibility of early/mid career academics and their research.

The CPE Conference Organising Team invites **Abstracts** from **Early/Mid Career Academics** for **Oral Presentations** which describe the latest advancements in **Power Electronics and Drives**. In the 2026 conference, special sessions are proposed on **Cryogenic Power Electronics**, **Megawatt Scale Wide Bandgap Power Electronics** and **Sustainability and Circularity in Power Electronics**.

**Up to 4 Abstracts** will be selected for **Oral Presentation** during the CPE Conference.

## Organising Committee

<b>Event Chair:</b>	Paul Judge – University of Edinburgh Sebastian Neira – University of Edinburgh	<b>Secretariat:</b> Steve Riches – IMAPS-UK
<b>Technical Committee:</b>	Xibo Yuan – CPE Director Layi Alatise – University of Warwick Saeed Jahdi – University of Bristol Andy Bonner – IPP Group Ltd	Paul Evans – University of Nottingham Martin Wickham – NPL Antonio Grippo – University of Sheffield Martin Foster – University of Sheffield

We invite submission of **Abstracts** in the following areas from Early/Mid Career Academics:

**Research and Development Topics:** These will describe high-impact academic research relating to the conference topics, outlined below:

- Semiconductor and Passive Devices
- Materials, Packaging and Interconnection; including sustainability and circularity
- Converters, Drives and Applications; including cryogenic and megawatt scale applications
- Control, Test and Reliability

If you are an early/mid career academic and interested in giving a plenary talk, please submit an abstract. All abstracts received by the submission deadline will be evaluated by the organising committee. Abstracts covering a balanced range of the main conference topics will then be selected and invited to make a **Plenary Oral Presentation** (25 mins) during the Conference.

## Conference Topics

Semiconductor and Passive Devices	Materials, Packaging and Interconnection	Converters, Drives and Applications	Control, Test and Reliability
<ul style="list-style-type: none"> <li>• SiC Devices</li> <li>• GaN Devices</li> <li>• Si Devices</li> <li>• Emerging WBG Devices</li> <li>• Capacitors</li> <li>• Inductors</li> <li>• Resistors</li> <li>• Other Passive Devices</li> </ul>	<ul style="list-style-type: none"> <li>• Sustainability and Circularity</li> <li>• Die Attach</li> <li>• Sintering</li> <li>• Wire/Ribbon Bonding</li> <li>• Laser Welding</li> <li>• Encapsulation</li> <li>• Embedding Devices</li> <li>• Novel Materials</li> <li>• Thermal Management</li> </ul>	<ul style="list-style-type: none"> <li>• Cryogenic Power Electronics</li> <li>• Megawatt Scale WBG Power Electronics</li> <li>• Electric Drives and Converters</li> <li>• Converter Integration</li> <li>• Wireless Power Transfer</li> <li>• Renewable Power Generation</li> <li>• Energy Storage and Management</li> <li>• Renewables Grid Integration</li> <li>• Other PEMD Related Areas and Applications</li> </ul>	<ul style="list-style-type: none"> <li>• Device Characterisation</li> <li>• Environmental Testing</li> <li>• Lifetime and Reliability Prediction</li> <li>• Degradation and Failure Mechanisms</li> <li>• Switching Performance</li> <li>• High Current and Voltage Testing</li> <li>• Converter Topology and Control</li> <li>• Control of Electric Drives</li> </ul>

Those wishing to present their work at the CPE Annual Conference 2026 should submit an abstract of no more than 200 words and a biography of up to 150 words, electronically to: [office@imaps.org.uk](mailto:office@imaps.org.uk).

## Deadlines

Abstract submission (200 words + 150 word bio)	Friday 19th December 2025
Acceptance of Abstracts for Oral Presentation	Friday 16th January 2026
Confirmation of Intent to Submit Oral Presentation	Friday 6th March 2026
Submission of Final Oral Presentation	Friday 26th June 2026