

We invite submission of **Abstracts** in the following areas from PhD Students and Post-Doctoral Research Associates:

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

- Semiconductor and Passive Devices
- Packaging and Interconnection
- Converters, Electric Machines and Drives
- Control, Test and Reliability
- PEMD Related Applications



All abstracts received by the submission deadline will be evaluated by the technical committee. Abstracts covering a balanced range of the main conference topics will be selected for **Poster Presentation** in the Exhibition Area for the Conference.

Conference Topics

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

Those wishing to present their work at the CPE Annual Conference 2022 should submit an abstract of no more than 200 words, electronically to: office@imaps.org.uk. For further information on the Centre for Power Electronics and its activities, please see: <https://www.powerelectronics.ac.uk>.

Deadlines

Abstract submission (200 words)	Friday 25 th February 2022
Acceptance of Abstracts for Poster Presentation	Friday 25 th March 2022
Confirmation of Intent to Poster Presentation	Friday 29 th April 2022
Submission of Final Poster Presentation	Friday 24 th June 2022

