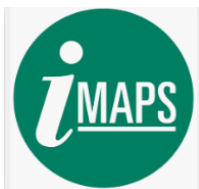




**Tuesday 5<sup>th</sup> July 2022. Day 1**

9:00	<b>Registration, Exhibition and Networking</b>	
10:30	<b>Welcome, Introduction to Centre for Power Electronics Annual Conference</b>	<b>Prof Layi Alatise</b> , University of Warwick and Conference Chair <b>Prof Xibo Yuan</b> , University of Bristol and Director of CPE
10:40	<b>Sponsor Introduction</b>	<b>Driving the Electric Revolution - Industrialisation Centre</b>
10:45	<b>Keynote Presentation 1</b> Next Generation Power Devices: Challenges, Possibilities and Opportunities in Wind Turbine Applications	<b>Prof Stig Munk-Nielsen</b> , Department of Energy, Aalborg University.
11:30	<b>Lecture 1</b> Additive Manufacturing in Power Electronics, Machines and Drives	<b>Dr Nick Simpson</b> , UKRI Future Leader and Fellow and Senior Lecturer in Power Electronics, University of Bristol
12:00	<b>Lecture 2</b> Towards the development of the next generation of power semiconductor devices	<b>Dr Marina Antoniou</b> , Royal Society Dorothy Hodgkin Fellow and Associate Professor in Power Electronics, University of Warwick
12:30	<b>Sponsor Presentation and Exhibitor Introduction</b>	
12:45	<b>Break - Exhibition, Lunch, Poster Session and Networking</b>	
14:00	<b>Keynote Presentation 2</b> Offshore Wind – Innovations and Opportunities	<b>Dr Chong Ng</b> , Associate Director of Applied Research at OREC
14:45	<b>Lecture 3</b> What do I work on for the next 30 years? Power-Electronics, Renewables and the Path to 2050	<b>Dr Paul Judge</b> , Royal Society Industry Fellow in Power Electronics, University of Edinburgh
15:15	<b>Panel Discussion</b> Is the Electric Vehicle Charging Infrastructure ready for mass EV rollout?	<b>Dr Iain Mosely</b> , Nyobolt (Panel Chair) <b>Dr Saeed Jahdi</b> , University of Bristol <b>Dr Nigel Jakeman</b> , TPS <b>Prof Phil Mawby</b> , University of Warwick
16:30	<b>Break - Exhibition, Networking and Poster sessions</b>	
17:00	<b>Poster Judging and Award Session</b>	<b>Prof Peter Gammon</b> , University of Warwick <b>Dr Paul Evans</b> , University of Nottingham <b>Prof Lee Empringham</b> , University of Nottingham
17:15	<b>End of Day 1</b>	
18:00	<b>Social event/ Barbeque</b>	



## Wednesday 6<sup>th</sup> July 2022. Day 2

9:00	<b>Enrolment and Exhibitor Presentations</b>	
9:30	<b>Keynote Presentation 3</b> State of the art power devices and novel concepts in SiC and GaN Power Devices	<b>Prof Florin Udrea</b> , FREng, Professor and Fellow of the Royal Academy of Engineering at the University of Cambridge
10:15	<b>DER Update</b> <ul style="list-style-type: none"><li>• Current state of DER initiative and Network Growth</li><li>• Recap of DER Challenge funded projects</li><li>• DER-IC network offerings</li><li>• Future DER Activities</li></ul>	<b>Venn Chesterton</b> , Deputy Challenge Director for Driving the Electric Revolution <b>Prof Jon King</b> , WMG, University of Warwick
10:40	<b>Industrial Engagement and Challenge Proposal</b>	<b>Prof Jon King</b> , WMG, University of Warwick
11:00	<b>Coffee Break Challenge</b>	<b>Prof Jon King</b> , WMG, University of Warwick
11:05	<b>Coffee Break, Networking and Research Development</b>	
11:45	<b>Open Forum, Feedback and Panel Discussion</b>	
12:15	<b>Break – Exhibition, Lunch, Poster Session and Networking</b>	
13:45	<b>Keynote Presentation 4</b> Key Challenges in WBG Enabled Automotive Power Electronics	<b>David Bock</b> , Project Technical Lead at BMW and Principal Investigator of BEV Project
14:30	<b>Lecture 4</b> Data-Driven Control of Power Converters	<b>Dr Jonathan C. Mayo-Maldonado</b> , Lecturer of Electrical Machines and Drives, University of Sheffield
15:00	<b>Break - Exhibition and Networking</b>	
15:15	<b>Lecture 5</b> Compact Modelling for GaN HEMTs	<b>Dr Ke Li</b> , University of Coventry
15:45	<b>Skills, Training and Future Talent Development in Power Electronics, Machines and Drives</b>	<b>Prof Volker Pickert</b> , Director of EPSRC CDT Sustainable Electric Propulsion, Newcastle University <b>Stewart Edmondson</b> , CEO of UK Electronic Skills Foundation
16:45	<b>Summary, Prizes and Thanks</b>	
17:15	<b>End of Conference</b>	