

Activity & Progress Reporting

Section Autumn Meeting - 20th October 2023

1. Chapter/Affinity Group:	IEEE UK&I PES Chapter (CH10142)
2. Committee Members	<ul style="list-style-type: none"> • Chair: Eduardo Audiche, E-TEC Power Management Ltd • Vice Chair: Jelena Ponocko, Scottish Power • Secretary: Lee Crudgington, University of Southampton • Treasurer: Rosa Serrano, University of Manchester • Industry Liaison Officer: Daniel Donaldson, University of Birmingham • Women in Power: Angeliki Loukatou, National Grid ESO • Communications Officer: Nan Chen, University of Birmingham • Past Chair: Jianing Li, WSP
3. Reporting Officer:	Eduardo Audiche, Chapter Chair
4. Overview of current plan and activities:	<ol style="list-style-type: none"> i. WiP Mentoring Programme ii. Manchester Energy and Electrical Power Systems Symposium MEEPS 2023: “Navigating the Energy Transition: Challenges and Solutions”. 3rd November iii. HackSheffield – 11th & 12th of November iv. Annual General Meeting (AGM) to be held on 5th December at University of Birmingham v. Best PhD Thesis Competition Award 2024 to be launched in January 2024. vi. Promote Senior Member elevation
5. Key Achievements and member value/services to date:	<ul style="list-style-type: none"> • We were awarded PES Outstanding Chapter 2022 (Large Category) • We were awarded with US\$880 under the 2022 IEEE PES High Performing Chapter Program (HPCP), being the highest award in R8 and top 5 overall. • Two articles from our events have been published in the Region 8 News Magazine. A third one will be published in December’s edition. • So far in 2023 we have delivered the following Events: <ul style="list-style-type: none"> ○ Simulation and Operational Analysis of Integrated Energy System Based on a Unified Model in Time Domain (UoB) – 6th January ○ Best PhD Thesis Competition Award 2023 – Jan/Jun ○ Best Practices Used When Working with Electricity Storage by Kelly Loukatou – 31st March ○ The 3rd Virtual Pub Quiz on Power and Energy – 31st March (UoM). ○ PES Day DLP Event held on 06 April: Regulatory Aspects of Implementing Advanced Technology by Jessica Bian (PES President). ○ Visit to Tyseley Energy Park – April 18 (UoB) ○ Modelling and Simulation of Traction Power Systems by Dr Dena Servatian - April 19 - Organised by UoB.

	<ul style="list-style-type: none"> ○ Enabling the Transition to Net Zero - April 19 - Co-organised by WiP and CIGRE. ○ EPSRC Prosperity Partnership – A New Partnership Offshore Wind – How to Prepare the PPTS for Public? (UoS) – 27th April ○ DLP: The Future of DER Hosting Capacity and Operating Envelope (UoM) – 2nd May ○ DLP: Toward carbon-neutral electricity and mobility: Is the grid infrastructure ready? (UoM) – 5th May ○ Non-Intrusive Load Monitoring (NILM) for Residential Demand Response - Solutions for the Energy Crisis – 11th May ○ DLP: Grid Modernisation and Smart Distribution Systems – 26th May ○ Seminar: National Grid – Distribution Future Energy Scenarios (UoB) – 8th June ○ Artificial intelligence in transportation: Advanced energy storage systems (4th July) ○ Optimal Operation of Power Systems with High IBR Penetration – 13th July ○ DLP Webinar on Advanced Prediction Techniques Applied to Smart Grids – 3rd August ○ DLP: Synchronized Waveform Measurement and Applications in Power Systems – 15th August ○ DLP: The Energy Transition in Canada and Ontario – 29th August ○ The 58th Universities Power Engineering Conference (UPEC) – 29th August to 1st September ○ Pathways to Success: Empowering Women in Power Systems Engineering – 28th September.
<p>6. Key Challenges:</p>	<ul style="list-style-type: none"> ● Funding support for symposium and DLP events.
<p>7. Deficits/Required Resources:</p>	<ul style="list-style-type: none"> ● A few in-person workshop/events would require funding support from the section. ● Funding support to organise events in Dublin
<p>8. Actions/Support requested from the Section:</p>	<ul style="list-style-type: none"> ● Funding and initiatives to support: <ul style="list-style-type: none"> ○ Dublin based events ○ In-person educational activities ○ EDI activities for public engagement
<p>9. Action Plan:</p>	<ul style="list-style-type: none"> ● Organising hybrid event where possible ● Continue to revive student branch chapters across the UK (In progress SBC at Technological University Dublin) ● Continue to develop international collaborated webinars ● Support the WiP committee with its growing plans ● Continue to deliver more educational activities (at least 2 per year)