



Seminar venue
Manchester City FC
East Reception
Etihad Stadium
Ashton New Road
Manchester, M11 3FF

Accommodation
Manchester Marriott Hotel
Piccadilly
91 London Road
Manchester
M1 2PG



Day 1 – PROGRAMME

Thursday 11 July 2024			
10:30	Registration – East Reception		
11:15	Introduction & Housekeeping Bill Fenton , <i>Manager</i> , The IET Power Academy Nia Lowe , <i>Head of Regulation and Government Policy</i> , SP Energy Networks		
11:20	Ice breaker Scholar Reps		
12:00	Keynote: Craig Dyke , <i>Director of System Operations</i> , ESO & Chair of the IET Power Academy Executive supported by Zara Barton-Lake , a scholar with UKAEA at Cardiff University and Scholar Rep		
12:30	Lunch		
	Interactive Workshops 1 & 2 Net Zero, Climate Change Impacts or Adaptation / Mitigation, and business issues critical to companies <u>Interactive Panel Sessions:</u> Scholars will attend 2 sessions, each lasting 1 hour.		
	SESSION 1 – Box 16	SESSION 2 – Citizens Suite	SESSION 3 – Box 27
13:30 to 14.30 and 14.45 to 15.45	BAE Systems <i>Fast Attack Submarine</i> Hosts: Benjamin Wilson, <i>Senior Engineer – Strategic People Capability</i> Joe Skinner, <i>Electrical Engineer</i>	Northern Powergrid <i>Climate Change – A Game of Chance?</i> Hosts: Claire Thomas, <i>Lead Asset Management Engineer</i> Joe Helm, <i>Lead Policy & Standards Engineer</i> David van Kesteren, <i>Engineering Training & Development Manager</i>	SP Energy Networks <i>NetZero – Mitigation Actions: Personal & Business perspectives</i> Hosts: Mark Goudie, <i>Head of Whole System Strategy & Optimisation – previous Power Academy Scholar</i> Gavin Kitching, <i>Graduate Engineer – previous Power Academy Scholar</i>

	SESSION 4 – Box 19	SESSION 5 – Box 21	SESSION 6 – Box 22
13:30 to 14.30 and 14.45 to 15.45	<u>SP Renewables</u> <i>Driven by Net Zero, Powered by Wind</i> Hosts: Rachel Stewart, <i>Onshore Workforce Planner</i> Jennifer Howie, <i>Offshore Electrical Engineer & Previous Power Academy Scholar</i> Emma McNally, <i>Onshore Workforce Planning Manager</i>	<u>SSE Transmission</u> <i>Net Zero Action</i> Hosts: Isabelle Shaw Nelson, <i>Transmission Graduate</i> Rory Chalmers, <i>Transmission Graduate</i> Charlotte Bailey, <i>Transmission Graduate</i>	<u>SSE Generation</u> <i>Net Zero Action</i> Hosts: Karl Bergmann, <i>Transmission Graduate</i> Nathaniel Uyoh, <i>Renewables Graduate</i> Haydn Carter, <i>Renewables Graduate</i>
	SESSION 7 – Box 18	SESSION 8 – Box 18	SESSION 9 – Box 23
13:30 to 14.30 and 14.45 to 15.45	<u>National Grid Electricity Transmission</u> <i>Designing the Great Grid Upgrade</i> Hosts: Ankit Jotwani, <i>Power System Engineer (Network Development)</i> Adam Davies, <i>Graduate Development Engineer</i> Giuseppe Di Vona <i>Graduate Development Engineer</i>	<u>National Grid Electricity Distribution</u> <i>Forecasting: The Challenges of a Changing World</i> Hosts: James Mitchell, <i>DSO Energy Management Centre Engineer</i> Ieuan Klappholz, <i>Primary Network Design Engineer</i>	<u>National Energy System Operator (NESO)</u> <i>Be the National Energy System Operator for a day.</i> Hosts: Rachel Eynon, <i>Connections Design Lead</i> Calum Parker, <i>Network Development Engineer</i> Faith Natukunda, <i>Regional Energy Strategic Planning Manager</i>
	SESSION 10 – Box 28	SESSION 11 – Box 26	SESSION 12 – Box 20
13:30 to 14.30 and 14.45 to 15.45	<u>UKAEA</u> <i>Design your own Tokamak Magnetic Structure</i> Hosts: Martin Jorgensen, <i>Graduate Systems Engineer</i> Nilou Saffari, <i>Graduate Electrical Engineer</i>	<u>Rolls-Royce</u> <i>Pros and Cons of More Electric Aircraft</i> Hosts: George Savage, <i>Electrical Machine Design Engineer</i> Ross Jamieson, <i>Electrical & Electronics Engineer</i>	<u>AtkinsRéalis</u> <i>Energy Architects – Planning a Net Zero Energy System</i> Hosts: Fraser Steedman, <i>Electrical Engineer, Net Zero Energy</i> Richard Williams, <i>Senior Electrical Engineer, Transportation</i>

	SESSION 13 – Box 24	SESSION 14 – Box 25	
13:30 to 14.30 and 14.45 to 15.45	<u>Omexom</u> <i>Playing with electrons and looking after the workforce</i> Hosts: Vandad Hamidi, <i>Business Unit General Manager</i> George Daniel, <i>Graduate Commissioning Engineer</i>	<u>Integrum Power</u> <i>Delivery of Battery Energy Storage Solutions</i> Hosts: Paul Walker, <i>Engineering Manager</i> Husayn Mahmud, <i>Principal Engineer</i>	
15:45	15-minute comfort break		
16:00	Motivation for High Performance Wendy Smith is an inspirational Paralympian turned motivational speaker, who uses her platform to advocate for optimism and perseverance. https://champions-speakers.co.uk/speaker-agent/wendy-smith . Session chaired by Nia Lowe , <i>Head of Regulation and Government Policy, SP Energy Networks</i>		
17:00	Close of the first day. Trams to the Manchester Marriott Hotel Piccadilly		

Evening Programme	
18:00	Check-in at the Manchester Marriott Hotel Piccadilly
19:00	Reception & Dinner in the ‘Piccadilly Suite’ After dinner speaker Carl Ketley-Lowe , previous Chair of the IET Power Academy Council, current Chair of the Climate Change Resilience Working Group ENA
22:00	Close of evening



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Day 2 – PROGRAMME

Friday 12 July 2023	
08:30	Check out of hotel, then trams to the Manchester City FC Etihad Stadium
09:45	Keynote session Chair Nia Lowe SPEN <i>Electricity Transmission Networks for a Net-Zero Future</i> Professor Peter Crossley, <i>professor of Power System Protection, University of Manchester</i>
10:30	Some years on – what are ex scholars doing now? Chair: Carl Ketley-Lowe, <i>Head of Engineering Policy, National Grid Electricity Distribution</i> Speakers: Jack Ferrans, <i>Substation Project Engineer, SSE Transmission</i> Nicola Todd, <i>Head of Network Control, National Grid Electricity Transmission</i> Fraser Steedman, <i>Electrical Engineer, AtkinsRéalis</i>
11:30	Tour of Manchester City Etihad Stadium
	Group photo taken at the end of the tour
13:00	Lunch
14:00	Scholar representatives to give workshop feedback and seminar review
14:30	Close of the Seminar and Trams to Manchester Piccadilly