



## The IET Power Academy Seminar Programme 2019

Hosted by Atkins, Loughborough University, National Skills Academy for Power, Newcastle University, Northern Powergrid and Western Power Distribution

Crowne Plaza  
Hawthorne Square  
Forth Street  
Newcastle upon Tyne. NE1 3SA

Thursday 18 July 2019

- 10.30am **Registration and refreshments**  
**IET On Campus / IET Networking opportunities** - Lydia Vatou – please visit
- 11:45am **Introduction & Housekeeping**  
Bill Fenton, Manager, The IET Power Academy
- 11.50am **Ice Breaker** - Paul Yuile, Sophie Gribben, Scholar Reps
- 12.05pm **Keynote Address**  
**The Future of Flight: Electrifying Aerospace**  
Dr Rob Watson, Director Rolls-Royce Electrical, Chair of the IET Power Academy Executive
- 12.35pm **Lunch**
- 1.30 to 2pm **Keynote Address**  
**Tackling the 4D Energy Challenge through Storage and Flexibility: Decarbonisation, Decentralisation, Democratisation, Digitalisation**  
Professor Phil Taylor, Head of School of Engineering, Newcastle University

2.15 to 5.05pm **Interactive Workshops:** Scholars will attend 2 sessions each lasting approx. an hour, as follows:  
3.30 to 3.50pm Break for tea

1	<b>National Grid</b> – Keeping the lights on – David Adkins, Calum Mackenzie, Paz Torres Noblejas and Christopher Salter
2	<b>RWE Generation</b> - Gambling with Giggawatts – Jacob Allinson and Tom Hoey
3	<b>SP Energy Networks and Atkins</b> - Project Challenges: Design and Communications Mark Goudie and Man Hong Yip, Atkins Nia Lowe, Milana Plecas, Steve Withell, Holly Goodwin, SPEN. Joint session for two groups.
4	<b>UKAEA</b> - Building a Fusion Power Plant Timothy Erskine and Jake Stephens
5	<b>BAE Systems</b> - Submarine Top Trumps Jessica Liddon and Graham Ramage
6	<b>Northern Powergrid</b> – Have you got too much sag? - David Van Kesteren &, Gavin Howarth
7	<b>Rolls-Royce</b> - Accelerating electric flight – how to build the world’s fastest all-electric aircraft – Eddie Orr and Bethany Hall
8	<b>Siemens</b> – The Siemens Challenge – Marko Grizelj and Alex Pettener
9	<b>Western Power Distribution</b> – Taking control – Carl Ketley-Lowe, Amy Rowley, Stephen Wood, Matthew Alderton, Liz Kelly, Andrew Berndes and Joshua Edmonds.
10	<b>Network Rail</b> - How can we use modern technology to measure a remote earth value? Bob Wilson and Mohika Gupta

- 5.15pm **Hotel check in Main Reception**
- 7.00pm **Drinks Reception & Dinner** Crowne Plaza, Newcastle
- 9.00pm **After Dinner Speaker** Nick Ellins, Chief Executive, Energy & Utility Skills Group and the National Skills Academy for Power



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Friday 19 July 2019

- 8.00am **Hotel check out**
- 8.00 to 8.45am **Breakfast**
- 9.15 to 10.00am **Some years on!** Andrew Allan - RWE Generation  
Andrew Berndes - Western Power  
Gavin Howarth - Northern Powergrid
- 10.00 to  
10.15am **Coffee break**
- 10.20 to  
12.15pm **Newcastle open top bus mystery tour including group photo at 'The Angel of the North'**
- 12.20 to  
1.20pm **Lunch**
- 1.25 to 2.35pm **Scholar Activity Team Building Exercise**
- 2.40 to 2.55pm **Scholar Rep Election**
- 2.55 to 3.00pm **Review of Seminar**
- 3.00pm **Close**