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 Vaton – 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  National Grid – Keeping the lights on – David Adkins, Calum Mackenzie, Paz Torres Noblejas and Christopher Salter

2  RWE Generation - Gambling with Gigawatts – Jacob Allinson and Tom Hoey

3  SP Energy Networks and Atkins - 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  UKAEA - Building a Fusion Power Plant Timothy Erskine and Jake Stephens

5  BAE Systems - Submarine Top Trumps Jessica Liddon and Graham Ramage

6  Northern Powergrid – Have you got too much sag? - David Van Kesteren &, Gavin Howarth

7  Rolls-Royce - Accelerating electric flight – how to build the world’s fastest all-electric aircraft
– Eddie Orr and Bethany Hall

8  Siemens – The Siemens Challenge – Marko Grizelj and Alex Pettener


10  Network Rail - 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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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8.00am</td>
<td>Hotel check out</td>
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<tr>
<td>8.00 to 8.45am</td>
<td>Breakfast</td>
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<tr>
<td>9.15 to 10.00am</td>
<td>Some years on! (Andrew Allan: RWE Generation, Andrew Berndes: Western Power, Gavin Howarth: Northern Powergrid)</td>
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<td>10.00 to 10.15am</td>
<td>Coffee break</td>
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<td>10.20 to 12.15pm</td>
<td>Newcastle open top bus mystery tour including group photo at ‘The Angel of the North’</td>
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<td>12.20 to 1.20pm</td>
<td>Lunch</td>
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<td>1.25 to 2.35pm</td>
<td>Scholar Activity Team Building Exercise</td>
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<td>2.40 to 2.55pm</td>
<td>Scholar Rep Election</td>
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<td>2.55 to 3.00pm</td>
<td>Review of Seminar</td>
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<td>3.00pm</td>
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