



**THE FUEL AND ENERGY RESEARCH FORUM**  
**INAUGURAL SEMINAR OF THE ELECTRICITY GENERATION**  
**AND STORAGE INTEREST GROUP.**

**WEDNESDAY 11<sup>th</sup> SEPTEMBER 2019.**

**UNIVERSITY OF LEEDS**

**Chemical and Process Engineering Lecture Theatre B, the University of Leeds, Leeds.**

**PROGRAMME.**

09.30 – 10.00	<b>ARRIVAL – COFFEE</b>
10.00 - 10.10	<b>Welcome to the University of Leeds and Opening Remarks,</b> Prof Jenny Jones, University of Leeds.
10.10 – 12.30	<b><u>SESSION 1: INAUGURAL SEMINAR OF THE FERF’s ELECTRICITY GENERATION AND STORAGE INTEREST GROUP - “THE CHALLENGES OF ELECTRICITY GENERATION WITH BIOMASS AND WASTE FUELS”.</u></b> Chaired by Mr Niall Moroney, RWE Generation Ltd. Co-ordinator of the Electricity Generation and Storage Interest Group.
10.10 – 10.35	<b>“Challenges of firing waste wood in boiler plant”</b> Peng Xu, Fichtner
10.35 – 11.00	<b>“Solving Challenges of Electricity Generation with Biomass and Waste Fuels”.</b> Matts Almark, Valmet
11.00 – 11.25	<b>“Overview of Lynemouth’s Fuel Handling and Storage System”</b> Davey Wharrier, Lynemouth Power
11.25 – 11.50	<b>“Biomass and Waste Fuel Generation – Building and Operating for the Future”.</b> Daryl Pope, Kent Renewable Energy/Copenhagen Investments.
11.50 – 12.15	<b>“Managing Disruption in Illiquid Biomass Markets”.</b> David Sanderson, Eon.
12.15 – 12.40	<b>“Extending Fuel Specifications and Plant Limits to Increase Flexibility”.</b> Dr Trudy Beeley, RWE.
12.40 – 13.30	<b>LUNCH.</b>
13.30 – 16.00	<b><u>SESSION 2: INAUGURAL SEMINAR OF THE FERF’s ELECTRICITY GENERATION AND STORAGE INTEREST GROUP - “THE CHALLENGES OF ELECTRICITY GENERATION WITH BIOMASS AND WASTE FUELS”.</u></b> Chaired by Mr Niall Moroney, RWE Generation Ltd. Co-ordinator of the Electricity Generation and Storage Interest Group.
13.30 – 13.55	<b>“The Challenges Biomass and Waste Fuels Present for Plant Materials Degradation”.</b> Joy Sumner, Cranfield University.
13.55 – 14.20	<b>“Considerations and Challenges when using Solid Fuel Mixtures based on Paper, Plastics or Biomass”.</b> Julian Steer, Cardiff University.

14.20 – 14.45	<b>“Biomass, Batteries and Balancing the Future”.</b> Rachel Lee FEI, University of Sheffield.
14.45 – 15.10	<b>“Combined Ammonia Recovery and Solid Oxide Fuel Cell use at Wastewater Treatment Plants for Power and GHG Emission Improvements”.</b> Oliver Grasham, University of Leeds.
15.10 – 15.35	<b>“Developments on the Monitoring and Controls for Carbon-in-ash with Stoker Furnaces”.</b> Shoaib Shah, University of Nottingham.
15.35 – 16.00	<b>“Fuel Flexible Power Stations : Utilisation of Ash Co-products as Additives for NOx Emissions Control”.</b> Richard Birley, University of Leeds.
16.00 – 16.10	<b>SESSION 3 : CONCLUDING REMARKS,</b> Dr Will Quick, Uniper Technologies Ltd. Chairman (Industry) of the Fuel and Energy Research Forum.

Tea will be served between 16.10 and 16.30 hrs.

The event organisers are Mr Niall Moroney and Dr. David J.A.McCaffrey.