

THE FUEL AND ENERGY RESEARCH FORUM IN ASSOCIATION WITH

**THE ADVANCED POWER GENERATION TECHNOLOGY FORUM (APGTF)
THE BIOMASS AND FOSSIL FUEL RESEARCH ALLIANCE
THE UNIVERSITY OF NOTTINGHAM CENTRES FOR DOCTORAL TRAINING
THE UK CARBON CAPTURE AND STORAGE RESEARCH CENTRE
THE BRITISH FLAME RESEARCH COMMITTEE
THE INTERNATIONAL FLAME RESEARCH FOUNDATION
THE COMBUSTION INSTITUTE, BRITISH SECTION
THE IChemE CLEAN ENERGY SIG
THE IoP COMBUSTION PHYSICS GROUP
THE RSC ENERGY SECTOR**

WORKSHOP ON COMBUSTION-RELATED RESEARCH AND THE INAUGURAL CLEAN ENERGY SCIENCE LECTURE

**To be held at Mary Sumner House Westminster London SW1P 3RB
Monday 7th October 2019**

PROGRAMME

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| 13.30 – 14.00 | ARRIVAL FOR AFTERNOON SESSION tea coffee and biscuits |
| 14.00 – 17.00 | WORKSHOP ON COMBUSTION-RELATED RESEARCH |
| 14.00 – 16.00 | PRESENTATION OF RESEARCH PROJECTS |
| 14.00 – 15.00 | Presentation of BF2RA Projects
Chaired by Dr Stuart Mitchell BF2RA |
| 14.00 – 14.20 | The Performance of 11-12 Chromium Creep Strength Enhanced Ferritic Steels (CSEF) Robert Byrne Loughborough University |
| 14.20 – 14.40 | Corrosive Compounds from Biomass and Waste Combustion
Toyin Sanusi Cranfield University |
| 14.40 – 15.00 | Prediction of the Synergistic Effects of Degradation and Segregation in Handling and Storage of Wood Pellets for Power Generation
Susantha Dissanayake University of Greenwich |
| 15.00 – 16.00 | Presentation of CCSCFE Doctoral Training Projects
Chaired by Prof Robin Irons University of Nottingham |
| 15.00 – 15.20 | Impact of impurities on the rheological behaviour of Salt Rock for Underground Gas Storage in Salt Caverns
Carla Martin Clave University of Nottingham |

- 15.20 – 15.40 **Mechanisms and mitigation of agglomeration during fluidized bed combustion of biomass**
Jonathan Morris University of Sheffield.
- 15.40 – 16.00 **Modelling of Advanced Low Emission Gas Turbine Burners**
Andras Bagyinski University of Sheffield.
- 16.00 – 17.00 **THE CONCEPT OF AN ADVOCACY GROUP FOR THE PROMOTION OF CLEAN ENERGY ISSUES**
Mr Greg Kelsall APGTF
Followed by a discussion session
- 17.00 – 17.30 **ARRIVAL FOR EVENING SESSION** tea coffee and biscuits
- 17.30 – 18.30 **THE INAUGURAL CLEAN ENERGY SCIENCE LECTURE**
Evolution or Revolution: A Personal Journey of the UK Power Industry towards a Sustainable Future Dr Nina Skorupska CBE FEI



Dr Nina Skorupska has been the Chief Executive of Renewable Energy Association, (REA), since 2013. She has over 30 years' experience in the energy industry working in the UK, Germany and the Netherlands. She was the first female power station manager for RWE npower and her career in the RWE Group culminated as Chief Technical Officer and executive Board Member of RWE's Dutch business, Essent, delivering electricity and heat generation as well as leading new energy and sustainability developments.

Nina is also currently a Board member of the European Renewable Energy Federation, (EREF), Renewable Energy Assurance Limited, (REAL), Transport for London, (TfL), and Deputy Chair of the Board of Women in Science and Engineering, (WISE), Campaign. She sits on a number of Advisory Groups including Carbon Trust, 10:10, Entrepreneurial Women in Renewable Energy, (EWIRE), and University of Nottingham Industrial Advisory Board for Energy.

Nina has a BSc. in Chemistry from Newcastle upon Tyne and Ph.D in Coal Combustion. She is a Fellow of the Energy Institute.

- 18.30 – 20.00 **RECEPTION AND BUFFET DINNER**
- 20.30 **EVENT CLOSES**

**The Event Organiser will be Dr David J.A.McCaffrey
and the Event Co-ordinator Mrs Cathy Hill**