


Introduction to Nuclear New Build


Speaker Biographies & Speech Descriptions

24th- 25th July 2018

DAY 1

<p>10.20</p>	<p>Reuben Holmes</p> <p>UK National Nuclear Laboratory</p> <p>Plant Chemist</p> 	<p><u>Biography</u></p> <p>For the past 3 years Reuben has held the position of plant chemist at the National Nuclear Laboratory, and spent 3 years prior to that as a technical specialist supporting Sellafield Ltd’s nuclear fuel reprocessing facilities. Throughout his 6 years in the nuclear sector he has interacted with the Nuclear Institute’s Young Generation Network in numerous ways, and in January this year took a position on the YGN’s strategic committee as the coordinator for YGN input into the Nuclear Institute’s journal, <i>Nuclear Future</i>.</p> <p><u>Speech: The Nuclear Institute Young Generations Network</u></p> <p>Reuben will give a brief overview of the Nuclear Institute’s Young Generation Network, including who we are, what we do, how being a member can benefit you and how you can get involved. He’ll also finish with some personal reflections on his journey with the YGN.</p>
--------------	---	---

Session 1: What are the considerations involved in a New Nuclear Build?

<p>10:55</p>	<p>Alan McGoff</p> <p>Environment Agency</p> <p>Lead Nuclear New Build</p> 	<p><u>Biography</u></p> <p>Alan McGoff is policy, strategy and assurance lead for new nuclear build in the Environment Agency of England. Since 2005 he has provided strategic advice to government and the Agency on the UK’s overall approach for new build. Including developing and implementing, with the Office for Nuclear Regulation, the regulators’ two phase approach to regulating new nuclear build in the UK. The first phase, Generic Design Assessment (GDA) has been completed successfully for EDF/Areva’s UK EPR, Westinghouse’s AP1000 and Hitachi-GE’s UK ABWR. The second phase, licensing and permitting has been completed for EDF’s new site at Hinkley Point C and construction is ongoing. GDA for the China General Nuclear’s UK HPR1000 is now ongoing and he is working on optimising the process for Small Modular Reactors. A physicist, Alan’s past experience includes development of new regulatory processes and regulating directly as site inspector Sizewell B and Bradwell Nuclear Power Stations as well as other large industrial installations. Previously at BNFL Sellafield, he led development and implementation of a number of major special radiometric instruments for the plants there. Since 2015, Alan has been a Senior Visiting Fellow at the UK’s National Nuclear Laboratory.</p> <p><u>Speech: Regulating New Nuclear Build – an update</u></p> <p>This talk will set out how the regulators EA and ONR have responded to the UK’s new nuclear build programme developing new approaches to assessment and regulation, learning from the past and delivering their central role in the overall process. An update on current progress will also be provided.</p>
--------------	--	--

Introduction to Nuclear New Build

Speaker Biographies & Speech Descriptions

24th- 25th July 2018

DAY 1

<p>11:30</p>	<p>Richard Sargent</p> <p>Department for Business, Energy & Industrial Strategy</p> <p>Head of New Nuclear Generation</p>	<p><u>Biography</u></p> <p>Richard is currently Head of the New Nuclear Generation team in the Department for Business, Energy & Industrial Strategy. He has responsibility for a range of issues key to the nuclear new build programme, including the UK supply chain, nuclear skills, local community engagement and the Industrial Strategy – under which the recent Nuclear Sector Deal was published.</p> <p>Richard has been a civil servant for 12 years, having previously worked as a Public Affairs consultant. He has worked in a number of environmental and energy policy roles in the Department of Food & Rural Affairs (Defra), DECC and BEIS, including setting up the first carbon auctions in the UK under the EU Emissions Trading System (EU ETS); working with businesses across a range of low-carbon technologies and, more recently, as Programme Manager of the Geological Disposal Facility programme.</p> <p><u>Speech: The Government Perspective</u></p> <p>Government update on nuclear new build programme and the recently published Nuclear Sector Deal.</p>
<p>12:05</p>	<p>Lorien Howarth</p> <p>UK National Nuclear Laboratory</p> <p>Senior Strategic Advisor, Insight (Strategy, Science and Innovation)</p> 	<p><u>Biography</u></p> <p>Lorien has worked for the UK's National Nuclear Laboratory for 10 years and is currently responsible for identifying global nuclear market trends and building relationships & collaborations to both inform and deliver against NNL's strategic objectives. She advises on both domestic and international markets. She has strategic and international business development experience, notably in Japan. Previous roles have included technology commercialisation and competitive bid management.</p> <p><u>Speech: Innovation in Nuclear – Why it is Important</u></p> <p>It is an exciting time for the nuclear sector. Challenges on cost and timescale are nothing new, but increasing competition from alternative energy sources is now adding even greater pressure on the sector. We need to do something different in order to keep up with the pace of change, we need to be truly innovative. The industrial strategy and nuclear sector deal both presents the opportunity and provides the ambition.</p> <p>Other sectors have seemingly been able to adapt much quicker; but how have they achieved this and what could it mean for nuclear? It is time we look beyond the usual suspects, and consider what we can learn from other sectors that have been more successful in delivering transformative innovation.</p>

Introduction to Nuclear New Build

Speaker Biographies & Speech Descriptions

24th- 25th July 2018

DAY 1

Session 2: What's going on in the UK?



<p>13:35</p>	<p>David Eccles</p> <p>EDF Energy</p> <p>Head of Stakeholder Engagement, Hinkley Point C</p> 	<p><u>Biography</u> David Eccles is Hinkley Point C's 'man in Somerset' and is responsible for the interface between local stakeholders - business organisations, local authorities, the general public - and the Project Offices in Bristol and London.</p> <p>David spent 30 years in the Army, leaving as a brigadier. He was awarded the CBE in 2006 for his work to recalibrate the Army training organisation. His last appointment was as the UK's national military representative to NATO's Supreme Headquarters Allied Powers Europe in Belgium.</p> <p>David speaks French, skis, goes to the gym on the days when he is not on his road-bike, and has two grown up children.</p> <p><u>Speech: EDF Energy's New Nuclear Projects</u> This talk will discuss the Hinkley Point C and Sizewell C EPR (European Pressurised Water Reactor) projects, exploring their scales and their benefits.</p>
<p>14:25</p>	<p>Ben Russell</p> <p>Horizon Nuclear Power</p> <p>Head of Policy & External Affairs</p> 	<p>Ben has worked in the nuclear industry for 18 years, including new build, operations, and decommissioning and waste management. He joined Horizon in March 2014 and his responsibilities include government, political, media and wider stakeholder relations, as well as overall coordination of the company's public policy positions.</p> <p>Prior to joining Horizon, Ben worked for EnergySolutions, the parent company for the UK's 22 first generation Magnox reactors, and for Nirex, the UK's long-term nuclear waste management organisation with responsibility for the country's geological repository programme. He has also served as an adviser on political relations, communications, and corporate strategy to energy companies and several large infrastructure projects in the UK. He began his career working for a Member of the United Kingdom Parliament.</p> <p><u>Speech: Horizon Overview and Update</u> An update on the latest developments with Horizon's Wylfa Newydd new build project, as well as an overview of the stakeholder landscape and current issues & challenges.</p>

Introduction to Nuclear New Build

Speaker Biographies & Speech Descriptions

24th- 25th July 2018

DAY 1

<p>15:00</p>	<p>Rory O’Sullivan</p> <p>Moltex Energy</p> <p>Chief Operating Officer</p> 	<p><u>Biography</u></p> <p>Rory O’Sullivan is a chartered engineer with first class degrees in mechanical engineering from Ireland and France. Rory’s belief in Molten Salt Reactors as a solution to affordable clean power led him to cofound Energy Process Developments Ltd where he led a UK Government funded feasibility study on the development of a prototype Molten Salt Reactor. Rory has sat on the Molten Salt Reactor advisory committee to the International Atomic Energy Agency and was named as a Standout in the 2016 Forbes 30 Under 30 Europe list for his work with Molten Salt Reactors. He is now Chief Executive at Moltex Energy Canada leading the deployment of the SSR-W300 demonstration reactor, a simpler, cheaper, more deployable form of Molten Salt Reactor.</p> <p><u>Speech: The Stable Salt Reactor, a new class of reactor to suit all markets</u></p> <p>The most advanced Stable Salt Reactor Wasteburner (SSR-W) fuelled by spent nuclear waste will be discussed as well as its deployment progress in Canada. The same reactor type can be reconfigured to be thermal spectrum, fuelled by low enriched uranium, the SSR-Uranium. A further configuration allows thorium breeding in the coolant, the SSR-Th, which has limitless fuel. All three reactor types have different deployment timelines and different market applications.</p>
<p>15:35</p>	<p>Evan Byrne</p> <p>Madano</p> <p>Senior Account Executive, Energy Practise</p> 	<p><u>Biography</u></p> <p>Evan is a Government and Media Relations specialist at London-based communications consultancy Madano.</p> <p>At Madano, Evan advises clients on their government and media relations’ strategies helping clients tell their stories to a complex range of stakeholders in the public sphere.</p> <p>He has been an advisor to U-Battery for several years helping the firm refine its messages and providing insight on key Government programmes such as the AMR competition.</p> <p>He specialises in communicating nuclear and low carbon technologies and has advised solar investment fund, NextEnergy Capital, nuclear fuels firm URENCO, and revolutionary grid systems-design firm, the Faraday Grid.</p> <p>Evan joined Madano in 2016.</p> <p><u>Speech: U-Battery</u></p> <p>Evan will be discussing U-Battery, a micro modular reactor designed for use in off-grid applications and look at how U-Battery will contribute to tackling climate change and achieving decarbonisation.</p>

Introduction to Nuclear New Build

Speaker Biographies & Speech Descriptions

24th - 25th July 2018

DAY 2

Session 4: Safety Case, GDA & DCO (Planning!)

<p>12:00</p>	<p>Thomas Hudson</p> <p>EDF Energy</p> <p>Bradwell B GDA Design Project Correspondent</p>	<p>Biography</p> <p>Tom Hudson studied Physics at the University of Nottingham before starting a role in the Safety Case Development Branch for the UK Operational Fleet with EDF Energy. Tom started his current role as a Design Project Correspondent in the UK HPR1000 Generic Design Assessment project in 2016, where he manages the safety case for the Fuel and Core area of the design.</p> <p>Speech: Introduction to HPR1000 Generic Design Assessment</p> <p>This talk will give you an introduction to the Generic Design Assessment process, describing what the process is and why we do it. Then the talk will go on to introduce the UK HPR1000 Design and we'll talk about the key features. The presentation is designed to be open and there will be a lot of opportunity to ask questions.</p>
<p>12:30</p>	<p>Andrew Goodchild</p> <p>EDF Energy</p> <p>Lead Planner HPC</p> 	<p>Andrew (MA BSc(hons) MRTPI) is the Lead Planner for HPC at EDF Energy, heading up the team responsible for obtaining all planning related consents to enable the construction of the power station at Hinkley Point C. Andrew has been involved in the Hinkley Point C project since 2009, initially as the Planning Manager for West Somerset Council leading the Councils response to all stages of the pre-application consultation and as principle witness for the Council during the Examination of the Development Consent Order.</p> <p>In 2014 Andrew took up the role of Assistant Director for West Somerset Council and Taunton Deane Borough Council leading the Councils team dealing with the implementation of HPC and other place based regeneration projects including Highways England's DCO for improvements to the A358. Andrew also lead the Councils response to National Grid's Hinkley Point C Connection Project DCO through consultation, Examination and implementation from 2010 to 2018.</p> <p>Between 2016 and 2018 Andrew advised the Isle of Anglesey County Council on both the Wylfa Newydd Project and the North Wales Connection Project.</p> <p>In 2018 Andrew took up the role with EDF Energy leading the Planning Team based at HPC and overseeing the implementation of the project and the associated development sites.</p> <p>Speech: Getting Permission – Obtaining and implementing a DCO</p> <p>An overview of how permission for a Nuclear Power Station is obtained and what is involved during the implementation of that permission.</p>

Introduction to Nuclear New Build

Speaker Biographies & Speech Descriptions

24th- 25th July 2018

DAY 1

Session 5: Learning from History and Public Perception

Qun (Annie) Yu

WANO

Performance Analysis
Senior Advisor



14:00

Biography

Annie currently works as a senior advisor in Performance Analysis department at WANO London office. Her main responsibility is to screen events reported by WANO members around the world and classify the significance.

Annie has 20 years working experience for 3 different nuclear power projects in China. One is the very first AP1000 project (Sanmen NPP) in the world which has completed fuel loading in April 2018. And the other two, both are 600MW Pressurized Water Reactor projects. She has gone through from the civil construction, equipment installation, commissioning to final commercial operation for two of them, with holding various positions in Commissioning, Maintenance, Nuclear Safety and Quality Assurance.

Before Annie joined the WANO, she was the director of safety and quality assurance department in Hainan Changjiang Nuclear Power Co., Ltd. (HNPC), a subsidiary company of China National Nuclear Corporation (CNNC), the largest state-owned company in China's nuclear industry.

Annie has a Bachelor of Science degree in Electrical Engineering from Chongqing University; a Master of Science degree in Nuclear Engineering and Radiological Sciences from the University of Michigan (Ann Arbor). She is a certified Professorship Senior Engineer by CNNC and a certified Nuclear Safety Engineer by China National Nuclear Safety Authority (NNSA) and a certified Lead Reviewer by WANO Tokyo Centre.

Annie has undertaken quite a few public speeches on nuclear power in recent years, and my speech engagements have covered audience sizes from 100 up to 1000 persons. She is the first professional in China's nuclear industry made a successful TEDx public speech, and the TEDx video "No Hurt to Use Nuclear Power" has received 14000+ views so far. She likes reading and writing; her most popular article about nuclear power has received 30000+ views on my Wechat (the most popular on-line chat App in China) public account.

Annie is married and has a 4-year-old daughter, Annalise, with whom she is living happily in London now.

Speech: Nuclear New Builds in the World


This talk will provide an overview of the operating NPPs and Nuclear New Builds in the world and a comprehensive case study on the very first AP1000 project (Sanmen Project) and China Hua Long One Reactor.

Introduction to Nuclear New Build

Speaker Biographies & Speech Descriptions

24th- 25th July 2018

DAY 1

<p>14:30</p>	<p>Adrian Bull, MBE</p> <p>UK National Nuclear Laboratory</p> <p>Director of External Relations</p> 	<p><u>Biography</u></p> <p>Adrian Bull is Director of External Relations for the UK National Nuclear Laboratory (NNL). He has responsibility for co-ordinating NNL’s external links, communications, profile and reputation across the UK and – increasingly - internationally. As such, Adrian is closely involved with a wide range of stakeholders including politicians, Government officials, media, customers, industry organisations and universities. Prior to taking up this role in 2012, Adrian was Head of Media and Stakeholder Relations for Westinghouse in Europe.</p> <p>He has worked on many submissions to UK Government, consultations on nuclear and energy policy matters, and has given evidence to several UK Government Committees on energy issues. Recently he has been closely involved with the work of the Nuclear Industry Council on communication and public understanding of nuclear energy.</p> <p>Adrian is a member of the nuclear communications groups at UK, European and global levels, through the UK Nuclear Industry Association, Foratom and the World Nuclear Association respectively. He is a Board Member of both Marketing Cheshire and the Science Media Centre and sits on a number of other committees for bodies such as the Confederation of British Industry and the UK Nuclear Institute. Adrian is a Fellow of the UK Energy Institute and was awarded an MBE in the 2018 New Year’s Honours List for his work on the development of public understanding of nuclear.</p> <p><u>Speech: Public Perception of Nuclear</u></p> <p>Public opinions and concerns about nuclear energy have often played a part in constraining the industry’s ability to make decisions and operate plants. While it is only right that the public can challenge the industry and ask questions of what we do, sometimes we in the sector do not always provide the reassurance being sought – even when there is nothing to worry about.</p> <p>This presentation will look at some of the reasons why that is – and will consider who “the public” actually are, and how best to communicate with them.</p>
--------------	--	--