



PROGRAMME

Topics, speakers and timings are subject to change.

08:30	Registration and refreshments	
09:15	Conference Chair's welcome and introduction Steve Frost, Superintending Nuclear Inspector, Office for Nuclear Regulation (ONR)	
09:30	Keynote address: Advanced Nuclear Technologies <ul style="list-style-type: none"> Streamlining the regulatory process for SMRs New build, SMR, AMR making savings for first of a kind projects Support for innovation Richard Deakin , Head of Advanced Nuclear Technologies, BEIS	
10:15	Overview of the National Cyber Security Centre Cyber Security in the Civil Nuclear Sector <ul style="list-style-type: none"> Understanding the key Threats, Risks and Mitigations NCSC guidance and advice National Cyber Security Centre	
10:45	Refreshments and networking	
11:15	HPC Progress Update & the Role of Nuclear Assurance During Construction <ul style="list-style-type: none"> Update on construction progress & recent developments at HPC Overview of the HPC Assurance organisation and their role in nuclear safety The role of the site inspection team and assessments recently undertaken / upcoming Reflections on providing nuclear assurance on a construction project vs operating nuclear site Tom Hughes , Independent Site Inspector, EDF Energy (HPC)	
11:45	Digital Transformation for Plant Availability <ul style="list-style-type: none"> Lessons learned from Aerospace in analytics Using data to better inform maintenance intervals and pre-empt failures Data quality and its effects on your decisions Paul Reynolds , PWR 1 & 2 Assistant Chief Engineer - Electrical, Rolls Royce Submarines	Progressing claims arguments evidence from conception to maturity <ul style="list-style-type: none"> Claims arguments evidence (CAE) concepts and motivation Steps to success and lessons learned Towards mature processes and suitable guidance Mark Bowell , Principal Nuclear Safety Inspector, ONR Joanne Griffin , Design Capability Lead Sellafield Ltd. This session is a 60 minute workshop scheduled to end at 12.45
12:15	TBC	
12:45	Lunch, exhibition and networking	

13.45	Cyber Security for civil nuclear facilities <ul style="list-style-type: none"> • Threat assessment for civil nuclear operators • Vulnerabilities in physical and digital security • Managing the security of legacy systems • Controlling procurement and the supply chain Chris Johnson, Professor and Head of Computing Science, University of Glasgow	
14.15	Smart device substantiation: <ul style="list-style-type: none"> • Legacy vulnerability • The transition from legacy to SMART instruments • The manufacturers part to play in this process • Collaboration is key to success Dale Snow, GB&I Business Manager Process Instrumentation & Process Analytics Siemens plc Phil Rose, Facility Engineering Manager, AWE	Cyber security surgery This 60-minute drop-in session gives you an opportunity to discuss your concerns with our experts. Supported by NCSC and Chris Johnson
14.45	Refreshments and networking	
15.15	Why human aspects of maintenance must be fed into the design lifecycle <ul style="list-style-type: none"> • Exploring the link between Human Factors, Operations and Maintenance during the design lifecycle of nuclear new builds • Lessons learnt from recent nuclear new build projects and existing operational plants Kira Lelos, Nuclear Safety Inspector - Human Factors, ONR	
15.45	Fusion in the Delivery Era <ul style="list-style-type: none"> ▪ Advances from research into a product delivery era ▪ Practices and verifications needed to qualify and license a fusion machine ▪ How disruptive technologies such as the digital domain can be leveraged to speed up innovation and maturity David A. Homfray, Head of Engineering Realisation, UK Atomic Energy Authority	
16.15	Chairman's final remarks and close	

