

TAGSI/FESI SYMPOSIUM

17th June 2021

TWI, Granta Centre, Cambridge

Structural Integrity Developments for a Competitive UK Nuclear Industry

09.00	Registration	
09.35	Welcome	<i>Professor Bob Ainsworth, University of Manchester and TAGSI</i> <i>Professor Peter Flewitt, University of Bristol and FESI</i>
Context of Symposium		
09.50	Developments in Plant – Regulatory Perspective and Challenges	<i>Mr Andy Holt, Office for Nuclear Regulation</i>
Present and Future Challenges		
10.10	Fusion Reactor – Spherical Tokamak	<i>Professor George Smith, University of Oxford</i>
10.45	Hinkley Point C – Lessons Learnt	<i>Dr Neil Bristow, EDF – NNB</i>
11.20	Refreshments	
11.40	UK Small Modular Reactor – Development and Challenges	<i>Mr Chris Bell, Rolls-Royce Civil Nuclear</i>
Developments and Opportunities		
12.15	NDE/Monitoring Developments	<i>Professor Bruce Drinkwater, University of Bristol</i>
12.50	Lunch	
13.35	Manufacturing Developments and Challenges	<i>Professor Bo Chen, University of Leicester</i>
14.10	UK Structural Integrity Requirements for SMRs and AMRs	<i>Dr Peter James, Wood Nuclear</i>
Optimising Structural Integrity Assessments		
14.45	Accounting for Crack-Tip Constraint Effects in Fracture Assessments	<i>Professor Bob Ainsworth, University of Manchester and TAGSI</i>
15.20	Use of Probabilistic Approaches for Fatigue Assessments (TAGSI Review)	<i>Professor Steve Garwood, TAGSI</i> <i>Dr Mike Martin, Rolls-Royce Plc</i>
15.55	Summary	<i>Professor Bob Ainsworth</i> <i>Professor Peter Flewitt</i>
16.15	Close	