

TAGSI–FESI SYMPOSIUM 2022

STRUCTURAL INTEGRITY DEVELOPMENTS FOR A FUTURE COMPETITIVE UK NUCLEAR INDUSTRY
MAY 5, 2022

PROGRAMME

09:00	Registration	
09:35	Welcome	Professor Bob Ainsworth, UNIVERSITY OF MANCHESTER AND TAGSI Professor Peter Flewitt, UNIVERSITY OF BRISTOL AND FESI
CONTEXT OF SYMPOSIUM		
09:50	Developments in plant: regulatory perspective and challenges	Mr Andy Holt, OFFICE FOR NUCLEAR REGULATION
PRESENT AND FUTURE PLANT CHALLENGES		
10:10	Fusion reactor: spherical tokamak	Professor George Smith, UNIVERSITY OF OXFORD
10:45	Hinkley Point C: lessons learnt	Mr Neil Bristow, EDF–NNB
11:20	Tea/coffee break	
11:40	Rolls-Royce SMR development	Mr Chris Bell, ROLLS-ROYCE SMR
DEVELOPMENTS AND OPPORTUNITIES		
12:15	The role of digital twins in structural integrity	Professor John Stairmand, JACOBS
12:50	Lunch	
13:35	Manufacturing developments and challenges	Professor Bo Chen, UNIVERSITY OF LEICESTER
14:10	EASICS project and a code comparison of creep–fatigue initiation approaches	Dr Peter James, JACOBS
OPTIMISING STRUCTURAL INTEGRITY ASSESSMENTS		
14:45	Definition of the initiation of ductile initiation in high toughness materials	Mr Andrew Wood, ROLLS-ROYCE
15:20	Use of probabilistic approaches for fatigue assessments, including TAGSI fatigue review and BEIS EASICS programme	Dr Mike Martin, ROLLS-ROYCE
15:55	Closing remarks	Professor Bob Ainsworth, UNIVERSITY OF MANCHESTER AND TAGSI Professor Peter Flewitt, UNIVERSITY OF BRISTOL AND FESI
16:15	Close	