



TAGSI – FESI SYMPOSIUM

STRUCTURAL INTEGRITY DEVELOPMENTS FOR A COMPETITIVE UK NUCLEAR INDUSTRY

APRIL 30, 2020 at GRANTA PARK, CAMBRIDGE, UK

PROGRAMME

09:00	Registration	
09:35	Welcome	Professor Bob Ainsworth, TAGSI, UNIVERSITY OF MANCHESTER; and Professor Peter Flewitt, FESI, UNIVERSITY OF BRISTOL
Context of Symposium		
09:50	Developments in plant: regulatory perspective and challenges	Mr Andy Holt, ONR
Present and Future Plant Challenges		
10:10	Fusion reactor: spherical tokamak	Professor George Smith, UNIVERSITY OF OXFORD
10:40	Hinkley Point C: lessons learnt	Professor Andrew Goodfellow, EDF–NNB
11:10	Small modular reactors: development and challenges	Speaker TBC
11:40	Tea/coffee break	
Development and Opportunities		
12:00	NDE/Monitoring developments	Professor Bruce Drinkwater, UNIVERSITY OF BRISTOL
12:30	Manufacturing developments and challenges	Professor Bo Chen, UNIVERSITY OF LEICESTER
13:00	Lunch	
13:45	UK structural integrity requirements for SMRs and AMRs	Dr Peter James, WOOD NUCLEAR
Optimising Structural Integrity Assessments		
14:15	Accounting for crack-Tip constraint effects in fracture assessments	Professor Bob Ainsworth, TAGSI, UNIVERSITY OF MANCHESTER
14:45	Use of probabilistic approaches for fatigue assessments (TAGSI Review)	Professor Steve Garwood, TAGSI Dr Mike Martin, ROLLS-ROYCE
15:15	Initiation toughness for ductile materials (TAGSI Review)	Speaker TBA
15:45	Summary	Professors Bob Ainsworth and Peter Flewitt
16:00	Close	