

WORKSHOP

Engineering Structural Integrity: A Vital Enabler for Net-Zero

December 16, 2024—Royal Academy of Engineering, Al Qasimi Room, Prince Philip House,
3 Carlton Terrace, London SW1Y 5DG

PROGRAMME

10:30	Registration and coffee	
11:00	Welcome	Royal Academy of Engineering Professor Mike Fitzpatrick FREng CHAIR OF THE REPORT STEERING GROUP
11:10	Setting the scene The future of structural integrity in the UK Structural integrity and the nuclear perspective Structural Integrity challenges for wind energy Structural integrity challenges for fusion	Professor David Knowles FREng CEO, HENRY ROYCE INSTITUTE Professor Fiona Rayment FREng PRESIDENT, NUCLEAR INSTITUTE Professor Ali Mehmanparast UNIVERSITY OF STRATHCLYDE Dr Amanda Quadling EXECUTIVE DIRECTOR, FUSION FUNDAMENTAL RESEARCH AND MATERIALS SCIENCE, UKAEA
12:10	Introducing the Position Paper	John Wintle POSITION PAPER LEAD AUTHOR
12:30	Working lunch What do we need to do to deliver the ‘vision’? Focus questions: 1. “How do we establish a national programme for structural integrity that clearly includes all relevant stakeholders in close collaborators?” 2. “How do we deliver the national training needs at all levels from technician to PhD?” 3. “What are the requirements for national facilities to support structural integrity industry and academic needs, and how should these be co-ordinated?”	
14:00	Feedback and collation of ideas coming out of the working lunch session	All
14:30	The next steps (including formation of leadership group and forward plan)	TBC
15:00	Close	

