



TWI Technology Fellows' Day

15th May 2025

Venue: TWI Ltd | Granta Park | Great Abington | Cambridge | CB21 6AL

AGENDA

Time	Presentation Title	Presenter
08.30	Registration and refreshments	
09.15	Welcome and Introduction	John Ruddleston Senior Nuclear & Defence Sector Manager
09.30	The role of postulated weld flaws in safety cases	Dr Paul Woollin Director of Research and Quality Assurance
09.50	Defect assessment in high-integrity pressure equipment: from qualitative to quantitative	Dr Isabel Hadley Technology Fellow – Materials and Structural Integrity Technology Group
10.10	Weld qualification	Dr David Howse Technology Fellow – Arc Process and Welding Engineering (AWE) Section
10.30	Coffee Break	
11.00	Inspection qualification	Eur Ing Charles Schneider Technology Fellow - NDT
11.20	Electron beam welding and additive manufacture	Dr Colin Ribton Technology Fellow - Electron Beam Processing and Technology
11.40	High temperature failure modes and performance of welded power plant steels	Adrienne Barnes Technology Fellow, Materials Performance and Integrity Group
12.00	Lunch and Networking	
13.30	Supply chain challenges and increasing business risks: The changing landscape for advanced materials using PFAS as a case study	Dr Alan Taylor Technology Fellow - Functional Coatings and Resins
13.50	Structural integrity: the importance of welding and inspection in multi-legged safety cases	Professor John Wintle Consultant Engineer and Technology Fellow
14.10	Welding of plastic pipes for water circulation in nuclear plants	Mike Troughton Technology Fellow for Polymer Welding
14.30	Coffee Break	
15.00	Fatigue Design and Testing in Aggressive Environments	Dr Matthew Doré Technology Fellow - Structural Integrity of Materials
15.20	Closing Comments	John Ruddleston
15.45	Event Close	