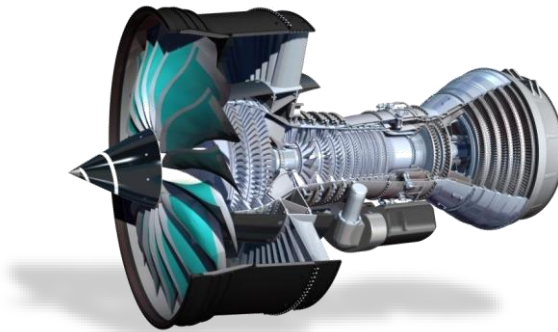


The Welding Institute Sheffield Branch

Technical Meeting

Monday 25th November 2019

**Life at 35,000 feet:
The future of aero-engine technology – Materials and
Manufacturing challenges**



Presented by

Dr Alan Partridge (Head of Materials) – Rolls Royce

Rolls-Royce aero-engines compete in a market with increasingly stringent noise, emissions and customer performance expectations. The lecture will demonstrate how this is leading towards the development of radically different and cleaner aero-engine architectures; and how this changing technology is underpinned by a whole new palette of materials and manufacturing technologies.

Dr. Alan Partridge leads the global Materials Engineering function, and was previously Chief Project Engineer on the Ultrafan engine programme and Head of Laboratories at Rolls-Royce. Prior to joining Rolls-Royce in 2011, Alan was the Chief Executive Officer of the National Metals Technology Centre, and has also held senior technical posts within Firth Rixson (Arconic), Defence Research Agency; as well as academic positions at the University of Liverpool and Eindhoven.

Time: A light buffet will be served from 5:30pm. Meeting starts at 6pm.

Venue: TWI Yorkshire, Advanced Manufacturing Park, Catcliffe, Rotherham, S60 5TZ

All welcome- members and non-members.

Please Enrol for the meeting on The Welding Institute Sheffield Branch webpage.

This technical event qualifies for CPD points