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Lichfield Science & Engineering Society

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LICHFIELD **GARRICK**
Theatre & Studio

PRESIDENT

Professor Peter A Lambert

8:00 pm on Wednesday, 11th September 2019
in the **NEW IMPROVED Studio Theatre of the Lichfield Garrick**

The Paul Bettson Lecture **LIFE AT 35,000 FEET:** **THE FUTURE OF ENGINE TECHNOLOGY** Dr Alan Partridge, Rolls-Royce Derby

Rolls-Royce aero-engines compete successfully in a market with increasingly stringent expectations from their customers for reductions in noise and emissions and improvements in performance. The lecture will demonstrate how, in order to maintain their position, 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 currently leads the global Materials Engineering function at Rolls-Royce, and was previously Chief Project Engineer on the Ultrafan engine programme and Head of Laboratories. Prior to joining Rolls-Royce he was the Chief Executive Officer of the National Metals Technology Centre, and has also held senior technical posts within Firth Rixson (Arconic) and the Defence Research Agency as well as academic positions at the Universities of Liverpool and Eindhoven.

For further information, please see our website at www.LSES.org.uk
Students and Members Free.

Visitors £7.00. Tickets are not issued in advance, please pay at the door.

Members must sign in. Those signing in before 7:50 pm will have precedence over all visitors.

This lecture is expected to finish by 10.00 pm.