

Materials for Extreme Environments

09 December 2009

The IET, Savoy Place, London, WC2

A seminar and showcase organised by the National Physical Laboratory (NPL) in association with the Institution of Engineering and Technology (IET).

The annual Wheatstone lecture hosted by the IET features Andy Green, the driver of Bloodhound SSC - the UK's latest attempt to break the world land speed record and break the 1,000 mph barrier. In order to succeed Bloodhound will need to push the materials used in its construction to the limit, operating often under both extreme temperatures and stresses. In association with the IET, NPL is hosting an afternoon seminar immediately before the Wheatstone lecture to look at some of the measurement issues that need to be considered when using materials in extreme situations.

The topics covered by the seminar will include:

- measurement of material properties;
- in-situ structural health monitoring;
- surface engineering for damage tolerance and wear resistance;
- dimensional measurement of complex shapes;
- measurement of temperature in extreme situations.

This free seminar is aimed at anyone with an interest in the technologies that will underpin the success of Bloodhound SSC and lead naturally into the Wheatstone lecture itself.

To register for the Materials for Extreme Environments, please complete the registration slip below.

To register for the IET Wheatstone and London Christmas Lecture – Bloodhound SSC, please visit: www.theiet.org/wheatstone

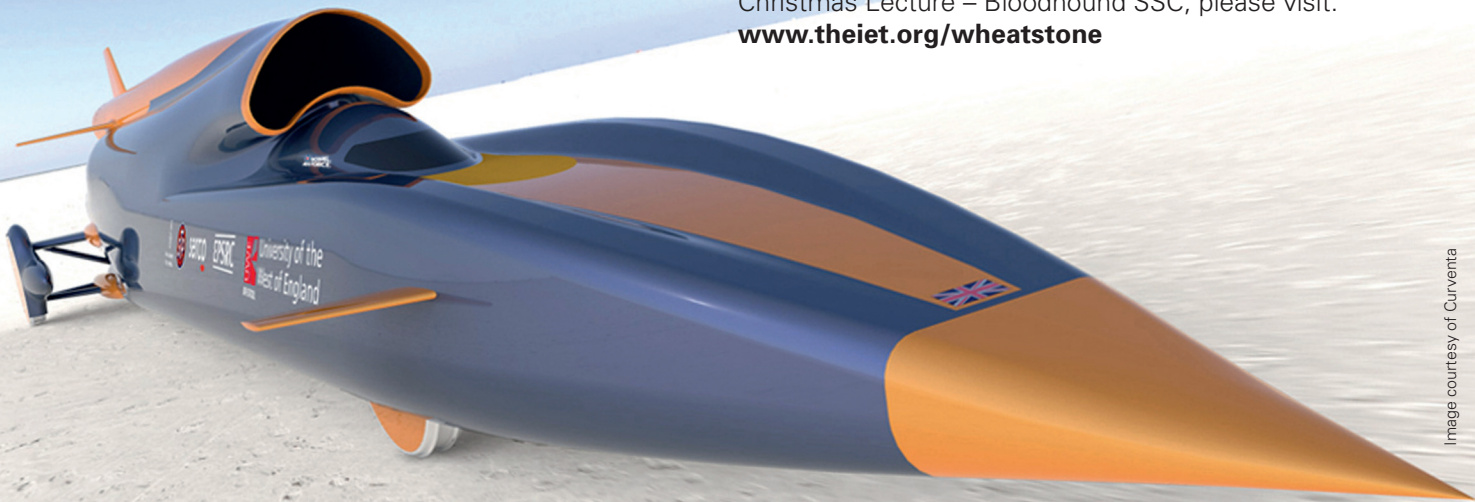


Image courtesy of Curventia

This seminar is free to attend. Please register early as places are limited.

Registration - Materials for Extreme Environments *(please complete in BLOCK caps).*

Name: _____
 Company: _____
 Address: _____

 _____ Postcode: _____
 Telephone number: _____
 E-mail: _____

Please tick if you **do not** wish to be added to the NPL database and receive additional information

Please complete and return one slip per delegate to:

Fax: **+44 20 8614 0566** or post to
**NPL Events Office (F13 CS1),
 NPL, Hampton Road, Teddington,
 Middlesex, United Kingdom, TW11 0LW**