

Measurement & characterisation of structured surfaces – information exchange day

National Physical Laboratory, Teddington
15 March 2010

Over the past three decades there has been an increased need to relate surface texture to surface function and, whilst a profile measurement may give some functional information about a surface, to really determine functional information, a three dimensional, or "areal", measurement of the surface is necessary. Control of the areal nature of a surface allows the manufacturer to alter the way a surface interacts with its surroundings. By controlling the areal nature of a surface optical, tribological, biological, fluidic and many other properties can be altered.

NPL and a number of universities have started an initiative to allow UK industry to benefit from the use of surface structuring. In this meeting the results from the initiative so far will be presented. Also, the team is looking for industrial case studies that can be used to highlight the benefits of the use of surface structuring. Participants are invited to approach the team with problems that can be solved as part of the initiative and, if chosen, such projects will receive significant support from the team with only in kind support from the industry partner.

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Confirmed speakers:

- Richard Leach – **National Physical Laboratory**
- Liam Blunt – **University of Huddersfield**
- Claudiu Giusca – **National Physical Laboratory**
- Jane Jiang – **University of Huddersfield**
- Steffen Scholz – **Cardiff University**

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