

Vincent Building,
Cranfield University, Bedfordshire
31st March 2017 (09:00)

Filtered cathodic vacuum arc plasma beam

Surface Engineering and Applied Nanotechnology

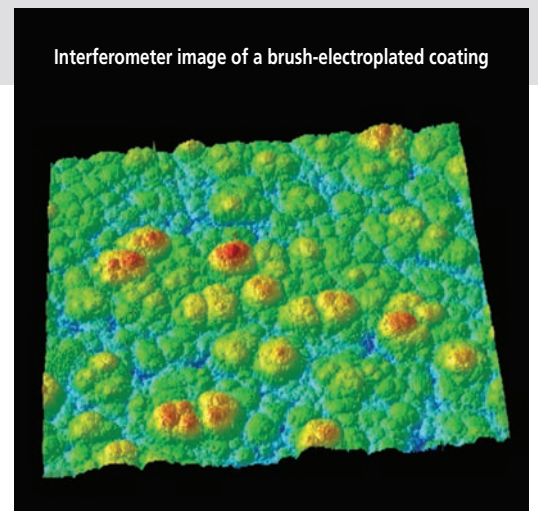
Open one-day conference

After the great success of the second UK Surface Engineering Industry event, which saw over 150 participants gather in 2016, Cranfield University and the MTA are delighted to be able to announce a third conference in this series. The, fully open, event will be held on 31st March 2017 on the main Cranfield University campus.

The Surface Engineering and Nanotechnology Institute (SENTi) at Cranfield focuses on the application of coating solutions and nanotechnology in the aerospace, automotive, oil and gas, biomedical and mining sectors. The Institute has been at the forefront of materials development which can be made lighter, stronger, more sustainable, and smarter and it has played an important role in the development of some commercial products that rely on nanoscale materials and processes. Indeed Cranfield University was the first University in the UK to offer an MSc nanotechnology course almost 20 years ago.

Both, MTA and Cranfield University are pleased to welcome you to this third conference of this series which will be held on March 31st, 2017 at the main Cranfield University campus. This conference will be chaired by Professor Jose L. Endrino and Dr. Zhaorong Huang and it is intended for UK and international innovators from the supply-chain as well as end-users in the field of surface coating and nanotechnology. Members from academia currently dealing with advanced coating materials and nanotechnology are also welcome to attend. This important event will precede the next European Conference in Nanofilms which will be hosted at Cranfield in 2018.

Interferometer image of a brush-electroplated coating



The Manufacturing
Technologies Association

www.mta.org.uk



To find out how to register for this free event, please email: events@mta.org.uk

If you would like to exhibit at the conference, please email Deborah Darnell: ddarnell@mta.org.uk



Surface Engineering and Applied Nanotechnology

Keynote Speakers:

Dr. Emmanuelle Göthelid, Sandvik Coromant

Prof. Barbara Shollock, University of Warwick

Dr. Yi Zhang, Daido Metal Co. Ltd

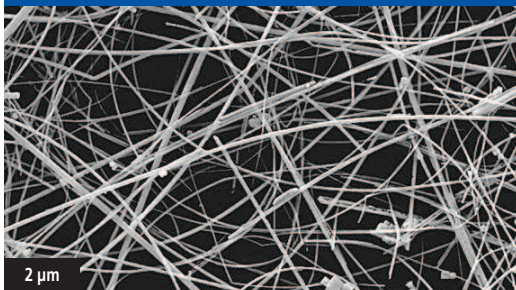
Dr. Chris Walker, Diamond Hard Surfaces Ltd

Dr. Ben Beake, Micro Materials Ltd

Dr. Robert Quarshie, KTN

Dr. Victor Higgs, Applied Nanodetectors Ltd

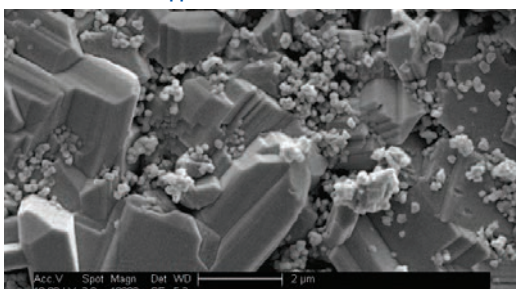
Dr. Joshua Lay, Mantis Deposition Ltd



Metal nanowires used as transparent conductive electrode



Micromachined Si supports on underside of PZT membrane



Thermoelectric Nanocomposites



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