

Online Surface Engineering Workshop

9:20 -16:00, 19th October 2020

This workshop aims to present research capability and industrial landscape of surface engineering in UK and promote collaboration between academia and industry in surface engineering.

Session 1. Chair: Prof Ping Xiao

9:20 Welcome by Ping Xiao, Chair of Surface Engineering Division, IOM3

9:30 Henry Royce Institute and Surface Engineering Philip Withers, Chief Scientist of Henry Royce Institute and University of Manchester,

10:00 EPSRC networkplus on Digitalised Surface Manufacturing. Allan Matthews
Director of the EPSRC network, University of Manchester

10:30 Surface Engineering - the key to meeting the Government's Grand Challenges Strategy. David Elliot, Chairman of Surface Engineering Association and Surface Engineering Leadership Forum.

11:00 – 11:10 Break

11:10 Surface engineering challenges to protect the leading edges of turbomachinery blades. Prof Robert Wood, University of Southampton

11:40 Some Current and Future Surface Engineering Challenges in Aero Engines.
Richard Wellmen, Rolls-Royce

12:10 Overview of the surface engineering challenge for BP. Mandar R Thakare and Sheetal Handa, BP

12:40 – 13:10 Lunch break

Sponsors: Henry Royce Institute; IOM3 Surface Engineering Division; EPSRC network plus Digitalised Surface Manufacturing

Session 2. Chair: Prof Philip Withers

13:10 Opportunities and challenges for thermal spray coatings in the offshore wind sector. Henry Begg, The Welding Institute, UK

13:40 Measurements for Engineered Surfaces. Mark Gee National Physical Laboratory, UK

14:10 Obtaining plasticity characteristics and in-plane residual stress levels in near-surface regions via indentation plastometry. Bill Clyne, University of Cambridge

14.40 Shaping the future of tomorrow's talent. Andy William, Chromalloy UK

15:10 – 15:20 Break

Session 3. Chair: Prof Allan Matthews

15:20 - 16:00 Group Discussion: Surface Engineering Future strategy in UK

Contact for further information including zoom or Microsoft team link details:

Prof. Ping Xiao, Chair of Surface Engineering Division, IOM3

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