



UK Surface Analysis Forum

www.uksaf.org

'Measurement for Innovation'

Host: National Physical Laboratory (Online)

5th and 6th January 2021

Programme

Tuesday 5th January 2021	
13:45-14:00	Registration (Login)
14:00-14:15	<i>Welcome & Introduction</i> David Scurr (University of Nottingham, UK), UKSAF Chairman Alex Shard (National Physical Laboratory, UK)
14:15-14:30	<i>"Mitigating Insoluble Fuel Deposits by Revealing their Spatially Resolved Molecular Compositions and Origins with 3D OrbiSIMS"</i> Max Edney (University of Nottingham, UK)
14:30-14:45	<i>"High temperature tribomechanical properties of hard diamond-like carbon coatings deposited using HiPIMS"</i> Bruno Rodriguez (University of Warwick, UK)
14:45-15:00	<i>"Theory of the Electrostatic Surface Potential and Intrinsic Dipole Moments at the gas Interface of mixed ionic-electronic conductors"</i> Nick Williams (Imperial College, UK)
15:00-15:30	<i>Exhibitor Virtual Tables</i> <ul style="list-style-type: none">• Scienta-Omicron• IONTOF• Thermo Scientific• Ionoptika• Hiden
15:30-16:00	<i>"Understanding formulated product performance using optical spectroscopy"</i> Natalie Belsey (National Physical Laboratory, UK)

16:00-16:30	<p align="center"><i>"Peptide Nanotechnology"</i></p> <p align="center">Rein Ulijn (City University of New York, USA)</p>
16:30-17:00	<p align="center"><i>"Biomedical Surface Analysis"</i></p> <p align="center">Lara Gamble (University of Washington, USA)</p>
17:00	<i>Adjournment</i>
Wednesday 6th January 2021	
13:45-14:00	Registration (Login)
14:00-14:30	<p align="center"><i>"A new tool for deterministic implantation of single ions"</i></p> <p align="center">Allen Bellew (Ionoptika, UK)</p>
14:30-15:00	<p align="center"><i>"TBC"</i></p> <p align="center">Cinzia Casiraghi (University of Manchester, UK)</p>
15:00-15:30	<p align="center"><i>"Surface analysis of off-centre core-shell nanoparticles"</i></p> <p align="center">David Cant (National Physical Laboratory, UK)</p>
15:30-16:00	<p align="center"><i>Exhibitor Virtual Tables</i></p> <ul style="list-style-type: none"> • Dylan James Scientific • Kratos Analytical • Quantum Design • Physical Electronics
16:00-16:30	<p align="center"><i>"Good practice in XPS of catalysts"</i></p> <p align="center">David Morgan (Cardiff University, UK)</p>
16:30-17:00	<p align="center"><i>"Capturing >500 years of XPS experience in 25 papers to help improve XPS data analysis and reporting"</i></p> <p align="center">Don Baer (Pacific Northwest National Laboratory, USA)</p>