

MANUFACTURING BETTER THAN ONE PART IN A MILLION AND HOW TO PROVE IT

STUDENT-LED ULTRA PRECISION ENGINEERING CONFERENCE
INSTITUTE FOR MANUFACTURING, UNIVERSITY OF CAMBRIDGE
Thursday 24th May 2018

SCHEDULE

9:00	Registration and laboratory tour booking
9:50	Welcome talk
10:00	Dr Silvia Vignolini (University of Cambridge) <i>Bio-inspired Photonics: From nature to applications</i>
10:25	Prof Graham Machin (National Physical Laboratory) <i>Contemporary solutions to industrial temperature measurement challenges</i>
10:50	Prof David Walker (University of Huddersfield) <i>The Road Towards Autonomous Manufacture of Ultra Precision Surfaces</i>
11:15	Morning Break
11:45	Prof Peter Childs (Imperial College London) <i>Precision engineering for functional elements in product design</i>
12:10	Dr Petros Stavroulakis (University of Nottingham) <i>High precision complex form measurement</i>
12:35	Prof Xichun Luo (University of Strathclyde) <i>Ultra-precision manufacturing of nanostructures</i>
13:00	Lunch Break
13:30	Laboratory Tours
14:00	Dr Manish Tiwari (University College London) <i>Precision nanomanufacture for controlled phase change and flexible sensors</i>
14:25	Dr Athina Markaki (University of Cambridge) <i>Hierarchical Vascular Networks for Tissue Engineering</i>
14:50	Prof Michael de Podesta (National Physical Laboratory) <i>Measuring the temperature of the air: How hard can it be?</i>
15:15	Afternoon Break
15:30	Dr Grigorios Rigas (M-Solv) <i>Printed Electronics: Enabling the next technological revolution</i>
15:55	Dr Hannah Joyce (University of Cambridge) <i>Engineering nanomaterials through ultrafast terahertz spectroscopy</i>
16:20	Closing Remarks
16:25	Drinks