THE ARMOURERS AND BRASIERS’ CAMBRIDGE FORUM
TUESDAY, 17TH JUNE 2014

Sponsors:  AWE; BRE; Institute of Materials, Minerals & Mining; Institute of Physics; Morgan Advanced Materials; Rolls Royce; Royal Commission for the Exhibition of 1851; Tata Steel; TWI

1.15 Registration: Pippard Lecture Theatre, Department of Physics, Cavendish Laboratory, J J Thomson Avenue, Cambridge CB3 0HE

THE GORDON SEMINARS
TO BE HELD IN THE PIPPARD LECTURE THEATRE

1.45 Welcoming remarks: Professor William Bonfield CBE FRS FREng FMedSci
(Past Master A&B; Chairman of the A&B Materials Science Committee)

Session I Chair: Professor Harry Bhadeshia FRS FREng

1.50 Reflections on surface science
Dr Stuart M. Clarke, Reader, BP Institute and Department of Chemistry, Cambridge University, and a BP Technology Fellow

2.20 Chemical sensors and the MSM: The past, the present and the future
Dr John Saffell, Technical Director at Alphasense Ltd

2.50 Developing next-generation steels from the atomic and nanoscale
Dr Francisca G. Caballero, Deputy Director for Science, Spanish National Research Centre for Metallurgy (CENIM-CSIC)

3.20 – 3.55 Tea and Poster Display – adjoining rooms

Session II Chair: Professor Sir Colin Humphreys CBE FRS FREng

3.55 Materials needs in the UKs nuclear programme
Professor W. E. Lee, Department of Materials and Centre for Nuclear Engineering, Imperial College London

4.25 Processing of smart composite materials, towards tailored damping and matrix healing
Professor Véronique Michaud, Laboratory of Polymer and Composite Technology, Director of the Materials Science and Engineering Section, EPFL Lausanne

Chair: Professor William Bonfield CBE FRS FREng FMedSci

4.55 Armourers & Brasiers’ Materials Science Venture Prize presented by Mr Jonathan S. Haw
(Master of the Armourers & Brasiers’ Company)

5.10 - 5.20 Short break

THE SIXTEENTH KELLY LECTURE

Chair: Professor Lindsay Greer FIMMM: Tony Kelly (1929–2014) and the Kelly Lecture

5.20 Made-to-measure surfaces
Professor Nicholas D. Spencer
Department of Materials, ETH Zurich, and President, ETH Research Commission

6.20 Vote of Thanks: Professor Alan Windle FRS