THE ARMOURERS AND BRASIERS’ CAMBRIDGE FORUM
TUESDAY, 14TH JUNE 2016

Sponsors: AWE; BRE; Institute of Materials, Minerals & Mining; Materials Processing Institute; 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 Thomson Avenue, Cambridge, CB3 0HE, Cambridge

THE GORDON SEMINARS
in the Pippard Lecture Theatre

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

Session I Chair: Professor Lindsay Greer FIMMM

1.50 Nanostructuring the semiconductor silicon to endow it with new capabilities
Professor Leigh Canham, Chief Scientific Officer, pSiMedica Ltd

2.20 Nanocomposite epitaxial oxide thin films: a new way to achieve radical property enhancements in functional materials
Professor Judith Driscoll, Department of Materials Science & Metallurgy, University of Cambridge

2.50 Nanoporous materials for magnetism and spintronics applications
Professor Jordi Sort, Institució Catalana de Recerca i Estudis Avançats (ICREA) and Departament de Física, Universitat Autònoma de Barcelona

3.20 – 3.50 Tea and Poster Display – adjoining rooms

Session II Chair: Professor Sir Colin Humphreys CBE FRSEng FIMMM

3.50 GaN/polymer, GaN/diamond and GaN/nanocomposite hybrid LEDs for high-bandwidth visible light communications
Professor Martin Dawson, Institute of Photonics and Fraunhofer Centre for Applied Photonics, University of Strathclyde

4.20 Function from frustration
Professor Andrew Goodwin, Department of Chemistry, University of Oxford

Chair: Professor William Bonfield CBE FRS FREng FMedSci FIMMM

4.50 Armourers & Brasiers’ Materials Science Venture Prize presented by: Colonel David Wynne Davies (Master of the Armourers & Brasiers’ Company)

5.05 - 5.20 Short break

THE EIGHTEENTH KELLY LECTURE

Chair: Dr Howard Stone

5.20 Advanced Materials - Flying High
Professor Ric Parker CBE FREng
Latterly Director of Research and Technology for Rolls-Royce plc

6.20 Vote of Thanks: Professor Sir Harry Bhandesia FRS FREng FIMMM

For more information and to register please go to: http://www msm.cam.ac.uk/forum/