



**THE ARMOURERS AND BRASIERS' CAMBRIDGE FORUM  
TUESDAY 16<sup>TH</sup> JUNE 2015**

Sponsors: **AWE, BRE, IOM3, The Materials Processing Institute, Morgan Advanced Materials, Royal Commission for the Exhibition of 1851, TWI, Rolls-Royce, Tata Steel.**

1.15 **Registration: Pippard Lecture Theatre, Department of Physics, Cavendish Laboratory, JJ 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, FIMMM, FInstP, FRSC  
FMedSci, FCGI  
(Past Master A&B, Chairman of the A&B Materials Science Committee)**

**Session I Chair: Professor Mark Blamire, FIMMM, FInstP**

1.50 *"Random explorations of material structure space"*  
**Professor Chris Pickard**, Professor of Physics, University College London

2.20 *"Manipulating metastable molecules to make materials"*  
**Professor Paul Raithby**, Professor of Inorganic Chemistry, University of Bath

2.50 *"Further adventures in armour ceramics - XeraCarb Ltd"*  
**Dr Hywel Jones**, Chief Scientific Officer, Royal Society Industry Fellow, XeraCarb Ltd

3.20-3.50 **Tea and Poster Display – Adjoining rooms**

**Session II Chair: Professor Harry Bhadeshia, FRS, FREng, FIMMM**

3.50 *"Roll-to-vacuum processing of flexible electronics"*  
**Professor Hazel Assender**, Associate Professor of Materials, University of Oxford

4.20 *"New materials for high-efficiency solar cells"*  
**Professor Neil Greenham**, Professor of Physics, University of Cambridge

4.50 **Armourers & Brasiers' Materials Science Venture Prize presented by: Dr Simon Archer  
(Master of the Armourers & Brasiers' Company)**

5.05-5.20 **Short break**

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**THE SEVENTEENTH KELLY LECTURE**

**Chair: Professor Ruth Cameron, FIMMM, FInstP, CPhys**

5.20 *"Giving new life to materials for energy, the environment and medicine"*  
**Professor Angela Belcher**, WM Keck Professor of Energy, Department of Biological Engineering, Department of Materials Science and Engineering, and The Koch Institute for Integrative Cancer Research, Massachusetts Institute of Technology.

6.20 **Vote of thanks: Professor Alan Windle, FRS, ScD, FIMMM, FInstP**