



THE ARMOURERS AND BRASIER'S CAMBRIDGE FORUM

TUESDAY, 18TH JUNE 2019

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, JJ 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 Paul Midgley FRS

1.50 *Beyond atomic resolution imaging: New experimental horizons in the transmission electron microscope*

Professor Sarah Haigh, Director of the Electron Microscopy Centre, Manchester University

2.20 *Single-use electrochemical power sources on paper*

Dr Neus Sabaté, ICREA Research Professor, Instituto de Microelectrónica de Barcelona

2.50 *Brief Encounters!*

— a series of 3-minute talks by younger researchers

3.20 – 3.50 *Tea and Poster Display – adjoining rooms*

Session II Chair: Professor Ruth Cameron FInstP FIMMM

3.50 *The world is not flat: Interfacing 3D organic electronic devices with 3D biological models*

Dr Róisín M. Owens, Dept. of Chemical Engineering & Biotechnology, Cambridge University

4.20 *Atom-thick compounds for catalytic production of fuels and energy-efficient electronics*

Professor Manish Chhowalla, Goldsmiths' Professor of Materials Science, Cambridge University

Chair: Professor William Bonfield CBE FRS FREng FMedSci FIMMM

4.50 *Armourers & Brasiers' Materials Science Venture Prize*

— presented by Christopher Weston-Simons (Master of the Armourers & Brasiers' Company)

5.05 - 5.20 *Short break*

THE TWENTY-FIRST KELLY LECTURE

Chair: Professor Lindsay Greer FIMMM

5.20 *Teaching science to politicians, the example of materials science: a hopeless but unavoidable challenge?*

Professor Yves Bréchet, Grenoble Institute of Technology
Member of the French Academy of Sciences
French High Commissioner (2012–2018) for Atomic Energy and Alternative Energies

6.20 **Vote of Thanks: Professor Norman Fleck FRS FREng FIMMM**

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