



## THE ARMOURERS AND BRASIER'S' CAMBRIDGE FORUM



TUESDAY, 21<sup>ST</sup> JUNE 2022

Sponsors:

AWE • Institute of Materials, Minerals & Mining  
Materials Processing Institute • Rolls Royce

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; Chair of the A&B Materials Science Committee)

**Session I** **Chair:** **Prof. Serena M. Best** *CBE FREng*

1.50 *Make all Sure – 700 years of the Armourers & Brasiers at the cutting edge of Materials*  
**Peter Bateman**, Clerk of the Armourers & Brasiers' Company

2.20 *The materials science behind radiovoltaics – concepts and flavours*

**Prof. Tom B. Scott**, RAEng Professor of Materials and Devices, University of Bristol  
Co-Director (Science) of the South West Nuclear Hub

2.50 *Brief Encounters!*

— a series of 3-minute talks by early-career researchers

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

**Session II** **Chair:** **Prof. Jason W. A. Robinson** *FIMMM*

3.50 *Understanding Failure: Flying hotter and seeing more*

**Prof. Philippa A. S. Reed** *FIMMM*, Professor of Structural Materials, University of Southampton

4.20 *Porous nitrides: The holey grail for optoelectronics?*

**Prof. Rachel A. Oliver** *FREng*, Professor of Materials Science, University of Cambridge

**Chair:** **Professor William Bonfield** *CBE FRS FREng FMedSci FIMMM*

4.50 *Armourers & Brasiers' Materials Science Venture Prize*

— presented by Mrs Nicola Davies, Master of the Armourers & Brasiers' Company

5.05 – 5.20 *Short break*

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### THE TWENTY-THIRD KELLY LECTURE

**Chair:** **Prof. Ruth E. Cameron** *FInstP FIMMM*

5.20 *Towards a Zero-Carbon Future*

**Professor Emily Shuckburgh** *OBE*, Director of *Cambridge Zero*  
Department of Computer Science & Technology, Cambridge

6.20 **Vote of Thanks:** **Prof. Rachel C. Evans** *FRSC FIMMM*

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