THE ARMOURERS AND BRASIERS’
CAMBRIDGE FORUM

TUESDAY, 21ST 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 younger 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

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/