



**THE ARMOURERS AND BRASIER'S CAMBRIDGE FORUM**  
**TUESDAY, 10<sup>TH</sup> JUNE 2008**

Sponsors: **1851 Commission, AWE, Corus, Keltie, IoM<sup>3</sup>, IoP, NAMTEC – Materials KTN, Ranier Technology, Rolls-Royce, Royal Academy of Engineering, Royal Society of Chemistry**

1.30 **Registration on the Babbage Podium, New Museums Site, Cambridge.**

**THE GORDON SEMINARS**

2.00 **Welcoming remarks: Rear Admiral Patrick Middleton CB**  
(Past Master A&B; Chairman of the A&B Materials Science Committee)

**Session I Chair: Professor Colin Humphreys CBE FREng**

2.05 *Carbon nanotubes: Is the space elevator just a pipe dream?*  
**Dr Milo Shaffer**, Department of Chemistry, Imperial College

2.35 *Spiders' silks and their secrets unravelled*  
**Professor Fritz Vollrath**, Department of Zoology, University of Oxford

3.05 *Bio-inspired self-healing of fibre-reinforced polymer composites*  
**Dr Ian Bond**, Department of Aerospace Engineering, University of Bristol

3.30 - 4.00 *Tea - Babbage Podium (Posters Display)*

**Session II Chair: Professor William Bonfield CBE FRS FREng**

4.00 *Ceramics on the front line*  
**Dr Colin Roberson**, Advanced Defence Materials Ltd

4.30 *The discovery, design and exploitation of Super Bainite steel armour*  
**Dr Peter Brown**, DSTL

5.00 *Armourers & Brasiers' Materials Science Venture Prize* presented by **Professor William Bonfield**  
(Master of the Armourers and Brasiers' Company)

5.10 - 5.30 *Tea - Babbage Podium (Posters Display)*

**THE TENTH KELLY LECTURE**

5.30 **Chair: Professor Lindsay Greer**

*Materials by Design: Frankensteels driving innovation in research and education*  
**Professor Greg Olson**, Wilson-Cook Professor of Engineering Design, Northwestern University

6.30 **Vote of Thanks: Professor Anthony Kelly CBE FRS FREng**