



THE ARMOURERS AND BRASIERS' CAMBRIDGE FORUM
TUESDAY, 12TH JUNE 2007

Sponsors: 1851 Commission, AWE, Corus, Keltie, IOM³, IOP, NAMTEC – Materials KTN, 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 *The Research Councils Energy Programme and its role in supporting fuel cell research*
Professor Nigel Brandon, Imperial College, London.

2.35 *Novel nanostructured hydride composites: hydrogen storage materials for zero-emission car*
Professor Dr Rüdiger Bormann, Institute for Materials Research, GKSS Research Centre, Geesthacht, Germany.

3.05 *Excitonic solar cells: new approaches to photovoltaic solar energy conversion,*
Professor Laurie Peter, Department of Chemistry, University of Bath.

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

Session II Chair: Professor William Bonfield CBE FRS FREng

4.0 *Sustainable air Travel - the challenge for aero-engine materials,*
Dr Neil Glover, Rolls-Royce Plc.

4.30 *Materials development for fusion energy*
Dr Geoffrey Cottrell, Culham Science Centre.

5.00 - 5.30 ***Tea - Babbage Podium (Posters Display)***

THE NINTH KELLY LECTURE

5.30 **Chair: Professor Lindsay Greer**

Environmentally informed material choice: strategies, tools, data and difficulties
Professor Mike Ashby CBE FRS FREng, Engineering Department, Cambridge University.

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