

Materials

Knowledge Transfer Network

# 2<sup>nd</sup> Annual General Meeting Materials in the Space Age *A Universe of Opportunities*

Church House  
Westminster, London  
Thursday 24th April 2008

Come and join us at the 2nd Annual General Meeting of the Materials KTN where we will be exploring the opportunities for materials in the demanding environments of space and the consumer marketplace.

- Hear Keynote Speakers from the European Space Agency and the Consumer and Design Sectors who will set out the challenges and opportunities for materials in these areas.
- Hear about the Materials KTN's exciting plans for the future.
- Participate in one of our parallel workshops in Materials for Space and Consumer products.
- Meet the nodes of the KTN and some of their member companies.

Registration is free of charge for this event.

Register now online at [www.materialsktn.net](http://www.materialsktn.net) or contact Jackie Butterfield, Network Manager [Jackie.Butterfield@iom3.org](mailto:Jackie.Butterfield@iom3.org)

Organised with Support from:



**Knowledge Transfer Networks**  
Accelerating business innovation;  
a Technology Strategy Board programme

# Provisional Programme

## Plenary Session

- 09:30 Coffee and Registration
- 10:00 Welcome and Introduction, Wyn Jones, Chairman, Materials KTN
- 10:10 Keynote Lecture - Overview of Importance of Materials for Space:  
Dr Constantinos Stavriniadis, Head of Department of Mechanical Engineering, TEC-M, European Space Agency ESTEC
- 10:40 Low Gravity to High Gravity Products—Technology Transfer Works!  
Tony Anson, Brunel University School of Engineering and Design.
- 11:10 Discussion
- 11:25 Refreshments
- 11:45 Materials KTN – Operations Report  
Dr Robert Quarshie, Operations Director, Materials KTN
- 12:00 Materials KTN – Forward Strategy  
Professor Patrick Grant, Executive Director, Faraday Advance, Materials KTN
- 12:20 Strategy for Advanced Materials in the UK  
Dr Alan Hooper, Lead Technologist, Technology Strategy Board
- 12:40 Discussion Panel
- 13:00 Lunch and Exhibition
- 14:00 Parallel Workshops and Exhibition

## Session A - Materials for Space Applications

- 14:00 Trends in Materials Requirements in Spacecraft Structures and Mechanisms  
Dr Torben Henriksen – TEC-M, Structures Div, European Space Agency
- 14:25 New Materials Technologies for Structures and Mechanisms  
Robert Graham, Astrium
- 14:50 Smart and functional materials for microsystems in space applications .  
Dr Johan Kohler – TEC-M, Micro-nano Mechatronics Div., European Space Agency
- 15:15 Materials Technologies for Robotics and Small Spacecraft  
Dr Adam Baker, Surrey Satellite Technology Limited
- 15:40 Challenges for Components and Materials in the Space Environment  
Christopher Semprimoschnig, TEC-Q, Materials and Process Div., European Space Agency
- 16:05 New Materials Technologies for Surviving the Space Environment  
Berend Winter, Mullard Space Science Laboratory

## Session B - Materials for Space Age Consumer Products and Living Space

Seminar and Exposition of the use of materials in consumer products. Exhibitors and speakers to be confirmed.

- 16:30 Poster Prize presentations, Closing Address,  
Wyn Jones, Chairman, Materials KTN
- 16:45 Close

**Register Online at [www.materialsktn.net](http://www.materialsktn.net)**