

# **Industrial Advisory Group Meeting**

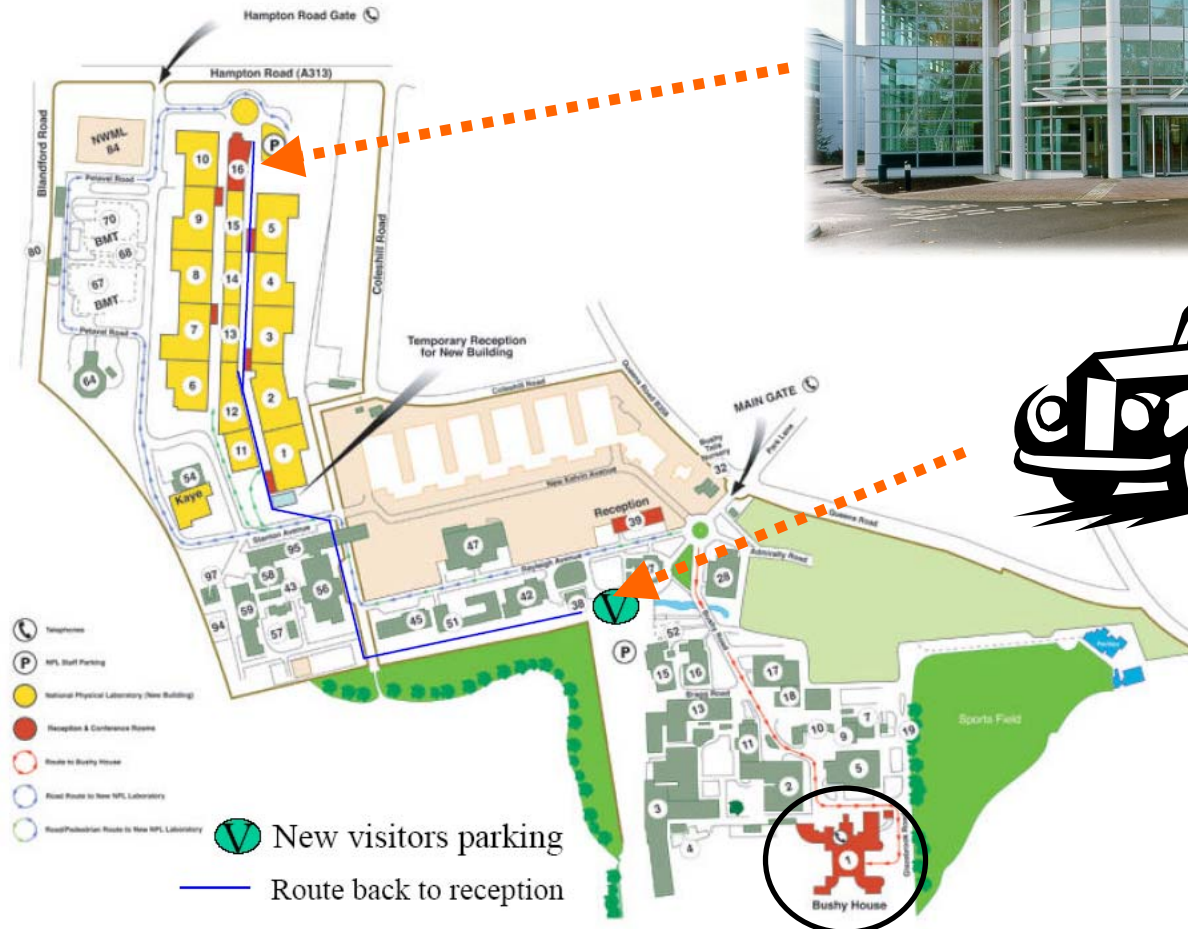
## **22 April 2008**

### **Polymers: Multiscale Properties**

# Welcome

- **Please**
  - Switch off mobile phones
  - Feel free to ask questions
- **Emergency**
  - Evacuation - Muster outside on the sports field
  - Phone - 3333

# Now where did I leave my car?



# Agenda

**10.00 Coffee/Tea**

**10.30 Welcome and Introduction**

**10.45 Materials 2009**

*Bill Nimmo/Martin Rides/Bill Broughton (NPL)*

**11.15 Overview of Elastomer Research at AWE: New Advanced Materials for the 21st Century**

*Paul Morrell, Senior Scientist (AWE)*

**11.45 SM10: Characterising Micro- and Nano-scale Interfaces in Advanced Composites**

*Bill Broughton (NPL)/Tim Young (Surrey University)*

**12.15 AM11: Diagnostics for Measuring and Modelling Dispersion in Nanoparticulate Reinforced Polymers**

*Bill Broughton (NPL)*

# Agenda

**12.30 SE02: Improved Design and Manufacture of Polymeric Coatings Through the Provision of Dynamic Nano-Indentation Measurement Methods**

*Nigel Jennett/Miguel Monclus (NPL)*

**13.00 Lunch**

**14.00 SM06: Knowledge Based Design of Plastics**

*Greg Dean (NPL)*

**14.30 Discussion – Roadmap for Polymers and Nanocomposites**

**Any Other Business**

**15.00 Closure of Meeting**

# Other Related NMS Projects Processing (2005 – 2008)

- ◆ H4: Flow Properties of Filled Materials

*Martin Rides (NPL)*

- ◆ U4: Dynamic Properties of Solid/Liquid Materials Systems at the Nano and Micro-Scale

*Martin Rides (NPL)*

# Other Related NMS Projects

## Characterisation (2006 – 2009)

- ◆ **SE01: Efficient Production and Utilisation of Surface Engineering Through the Provision of a Measurement Toolkit**

*Mark Gee (NPL)*

- ◆ **SE03: Effective Design, Manufacture and Use of Nanostructured Coatings through Measurement**

*Nigel Jennett (NPL)*

- ◆ **SM09: Improving Quality in Composite Materials Through the Provision of Traceable Measurements**

*Tony Maxwell (NPL)*

# Other Related NMS Projects

## Materials 2007 (2007 – 2010)

- ◆ AM10: Metrology of Fluid Properties for Micro-Processing

*Martin Rides (NPL)*



# Other Related NMS Projects

## Materials 2008 (2008 – 2011)

### ◆ H05: Micro-scale Processing and Characterisation of Polymeric Materials

*Martin Rides (NPL)*

# Any Questions?

## Website

Please also note the new link for the IAG member pages

<http://resource.npl.co.uk/materials/programmes/characterisation/pw/polymers/meetings.html>

User Name: multiscale

Password: iagmember