



**Workshop Agenda:**

**11.30 Registration**

**12.00 Welcome and Introductions**

**12.10 Session One:**

- Bond Testing Objectives
- Questions

**1.00 Lunch and Networking**

**13.30 Session Two:**

- Principle bond testing parameters & Data output
- Questions

**14.00 Session Three:**

- Pull testing
- Shear Testing

**15.00 Refreshment Break**

**15.20 Continuation of Workshop**

**17:00 Close**

**Workshop Venue:**

Royal Holloway  
Windsor Conference Centre  
Egham  
Surrey

**Registration**

Registration via the event webpage on the IMAPS-UK website: [www.imaps.org.uk](http://www.imaps.org.uk)

For further details, please contact IMAPS-UK.

**Science of Bond Testing**

Electrical and thermal bonds are such an integral part of electronic and semiconductor construction that they may often be taken for granted. Modern construction methods employ a myriad of bonding processes, each one a vital step in the construction of the final product. A typical consumer product such as a laptop computer may contain hundreds of thousands of bonds yet if one fails it will probably result in a system breakdown.

Bond strength measurement is far from the highest profile part of the industry but it has matured with it, in some cases unnoticed. This doesn't alter the fact that a precise knowledge of bond strength quality measurement during product design and subsequent manufacture is directly related to product success and profitability. To serve this need a modern bond test system must be capable of accurately testing bond wires, solder bumps, dies, leads, chips, lids as well as other applications with strengths varying from a few grams force to hundreds of kilograms force. The workshop investigates the roots of bond testing and teaches what is required to perform a good bond test and what a modern bond tester should be capable of.

**IMAPS-UK Workshops – Your Chance to Learn:**

IMAPS-UK workshops offer delegates the opportunity to learn about the issues and complexities of microelectronics assembly technologies. They provide professional development through in-depth, real-life insights into materials, processes and equipment applied to current and future electronics.

Recent IMAPS-UK workshops have sold out rapidly and early booking is advised to avoid disappointment



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