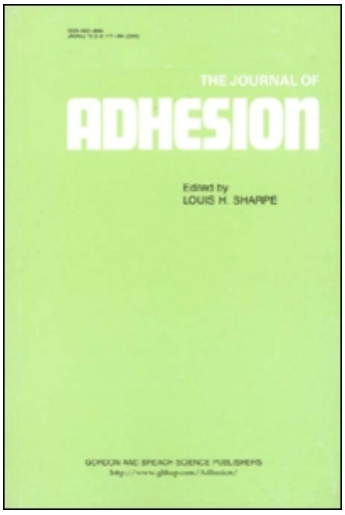

The Journal of Adhesion

Publication details, including instructions for authors and subscription information:
http://www.informaworld.com/smpp/title~content=t713453635

Adhesive Bonding Technology

To cite this Article (1999) 'Adhesive Bonding Technology', The Journal of Adhesion, 71: 4, 417 — 419
To link to this Article: DOI: 10.1080/00218469908014551
URL: http://dx.doi.org/10.1080/00218469908014551

Adhesive Bonding Technology

Short Course 10–14 April 2000

University of Surrey
School of Mechanical and Materials Engineering
Guildford, Surrey, UK

THE AIMS OF THE COURSE

This is a 5-day intensive short course. The objective of the course is to provide a thorough grounding in the technology of adhesive bonding.

The course will start with a review of the science of adhesion and adhesives and move on to consider pretreatment, different adhesive types and the design of bonded joints. Testing, durability and quality assurance will be discussed, along with health and safety aspects, and case studies in automobile, packaging and microelectronics will be presented.

WHO SHOULD ATTEND?

The course is for people with responsibility for the design of systems involving adhesive joints and those carrying such designs through to production. This will include materials scientists, design engineers and production engineers among others. The course is open to all but is designed to be appreciated by those of graduate or equivalent status.

Adhesive Bonding Technology will feature lecturers from the University and industry. It was selected by the EPSRC for sponsorship as a stand-alone, Masters level short course. The course is also part of the 'Materials for Engineering Applications Programme' and may be taken as a module in a modular, part-time Masters Degree Course. To gain an MSc, seven short courses with follow-up assignments are taken and a project and dissertation are completed.

Surface Analysis

An Introduction to XPS, Scanning Auger Microscopy and Secondary Ion Mass Spectrometry 3–7 April 2000 Guildford, Surrey, UK

AIMS

The aim is to provide an intensive introduction to the basic principles of the electron spectroscopic techniques of X-ray photoelectron spectroscopy (XPS or ESCA) and Auger electron spectroscopy (AES), together with scanning Auger microscopy (SAM). Secondary Ion Mass Spectrometry will also be described and illustrations given of its use in Materials Science. The course will be staffed by lecturers with considerable experience in applied surface analysis, drawn from both the University of Surrey and industry. Each day will comprise lectures, demonstrations, computer simulation exercises and tutorials. Attendees with specific problems concerning the applications of surface analysis will have ample opportunity to consult the lecturers.

WHO SHOULD ATTEND?

The course is directed at engineers and scientists who require a thorough grounding in these surface analysis methods. As this field is developing very rapidly, the course provides an ideal opportunity to review the scope and applicability of XPS, AES and SIMS for their particular fields. While the course is open to all, a scientific or engineering education to degree level, or a higher education qualification in physics or chemistry is desirable.

Surface Analysis is part of the Advanced Materials Technology Programme: a range of 18 short courses. These may be taken individually or 7 courses may be selected and linked together with assessments and a project to form a modular, part-time MSc Degree Course.

For Full Details Contact:

Derek Saunders
Manager of Continuing Education
School of Mechanical and Materials Engineering
University of Surrey, Guildford GU2 5XH, UK
Telephone: +44 (0)1483 879612; Fax: +44 (0)1483 876291
e-mail: D.Saunders@surrey.ac.uk