



Keighley Association of Engineers (2015-16 syllabus)

A visit to the Centre for Polymer Micro and Nano Technology at Bradford University

Date: Wednesday 21st October 2015
Start time: 6.30 p.m.
Location: Address details overleaf

Dear members and guests,

The Keighley Association of Engineers is pleased to announce its October 2015 event, a visit to The Centre for Polymer Micro and Nano Technology located at Bradford University.

The Centre for Polymer Micro and Nano Technology

Recent advances in micro and nano-technology are realising devices with a huge range of applications in the telecommunications, medical, and automotive sectors. This demand has led to the emergence of micro injection moulding (micro moulding) as an optimum technique for micro-component manufacture that offers all the benefits of conventional injection moulding such as high production capacity at low marginal cost.

The Research and Knowledge Transfer (RKT) Centre for Polymer Micro and Nano Technology (Polymer MNT) is a new facility within the world-class IRC Polymer Engineering laboratories at the University of Bradford. Polymer MNT allows access to equipment and expertise required for companies of all sizes to develop a successful micro moulding or nano-scale surface feature moulding process.

Key areas of expertise:

- Moulding of microscale features
- Nano-structured surfaces
- Nano fillers compounding and processing
- Metal/ceramic powders
- Materials characterisation, product measurement
- Inspection/handling systems

For a number of applications:

- Medical devices, wound care, implants
- Micro-optics
- Sensors
- Integrated micro devices



Arrival Details:

Join us at reception from 6:15 p.m. onwards for a prompt 6.30 start. We look forward to your company.

Address details:

The Centre for Polymer Micro and Nano Technology
Engineering & Informatics
University of Bradford
Bradford
BD7 1DP
UK

Tel: +44 (0)1274 23 5571

Mob: +44 (0)7540769961

polymer-mnt@bradford.ac.uk

Location map and directions:

<http://www.brad.ac.uk/contact-and-find-us/media/universityofbradford/allfiles/maps/City-Campus-How-To-Find-Us-Map.pdf>

Please park next to Building 1 shown as a blue P on the map and enter the Richmond Building (Building 1) and wait in the Reception area. You will be picked up from there. Note 6.30 pm prompt start.

Check out the Keighley Association of Engineers website for details of future events.

We have updated our website and shortened the address to www.kaoe.org.uk please visit the site to see the new look. Please note we have added Face Book and Twitter links.



Hope some of you will use these?

Contributions to forthcoming site visits and lecture opportunities may be posted on the website. We look forward to your feedback and contributions.