

## Supporting Partner

The group is run by the NanoKTN in partnership with the Joint Equipment and Materials Initiative (JEMI UK).

It is the only association truly representing the interests of manufacturers and suppliers of equipment, materials and services for Semiconductor production across the UK and Ireland. Its aim is to promote the development of a strong UK infrastructure to support the growth of companies wishing to design, develop and manufacture semiconductor, microelectronics, and MEMs devices within the UK.

## Signing Up

Membership of the Nano Micro Systems focus group is free. To keep up to date with Nano Micro Systems activities and get privileged access to information on our website, contact:

### Membership Enquiries

T +44 (0)191 490 9373

E [natasha.taylor@nanoktn.com](mailto:natasha.taylor@nanoktn.com)

[www.nanomicrosystems.com](http://www.nanomicrosystems.com)

### Technical Enquiries:

**Dr Alec Reader**

Director

M +44 (0)7826 902 201

E [alec.reader@nanoktn.com](mailto:alec.reader@nanoktn.com)

[www.nanoktn.com](http://www.nanoktn.com)

a project managed by  
**cpi** ...the future inspired



Nanotechnology

Knowledge Transfer Network



**Nano Micro Systems**  
Developing the  
Microelectronics &  
MEMS Supply Chain

Connecting technology.  
Catalysing innovation.

## The Nano Micro Systems focus group will evaluate the issues of the supply chain for the Nanotechnology sector looking to supply into the Microelectronics, MEMS and other emerging hi-tech sectors.

The group will promote the commercial benefits of establishing an end-to-end supply chain, to enable UK technology innovators to get products to market faster. In doing so, gaps will be identified and recommendations for capitalising on the opportunities these gaps present will be more reachable.

The nanotechnology industry is relatively new and there are a number of gaps in the supply chain that prohibit products getting to market in an effective manner. One of the NanoKTN's main remits is to analyse this supply chain, determine where these gaps are and encourage companies to recognise the commercial gains to be reaped in bridging them. The Nano Micro Systems focus group will enable the NanoKTN to communicate with a wider base of contacts and help to develop and promote initiatives in this area.

### Outputs

The Nano Micro Systems focus group will gather data and information that will assist the NanoKTN to create outputs in seven areas:

1. Blue sky forecasting
2. Roadmapping
3. Collaboration
4. Exploitation of future products and markets
5. Identification of significant gaps in the supply chain that the Technology Strategy Board may wish to act to address.
6. Trend data (Global and Local)
7. B2B opportunities (through networking) identified through the gap analysis.

### The Market Opportunities

Globally the microelectronics sector generates more than (?) million USD of revenue. The market is dominated by large scale producers of devices which are used in computers, mobile telephony and other high volume consumer driven devices.

Increasingly niche applications are opening up for new technology which combines several existing technologies.

One example of this is point of use care in the medical sector where microelectronics, MEMs and microfluidics come together to provide new innovative ways of delivering analysis and drugs to patients. The UK has a strong research and development base and many of these universities are JEMI UK members. Use of nano technology in microtechnology can potentially move these sectors forward. Effective commercialisation and support throughout the gestation period of a new business is key.