

Science and Technology Facilities Council
Knowledge Exchange Service

Advanced Device Packaging & MEMS Technologies Workshop

Tuesday 18th November 2008, 76 Portland Place, London

I would like to take this opportunity to invite you to the above event, which brings together experts from both industry and academia in the fields of advanced device packaging and microelectromechanical systems (MEMS).

Two critical technologies that are being developed for space applications – Advanced Packaging and MEMS – also have significant commercial applications for industry. Both these technologies result in miniaturisation of essential sensors, actuators and electronic components. MEMS technology is now being commercialised across a wide variety of market sectors including automotive, industrial controls, medical, consumer and IT.

Many different types of MEMS device are being fabricated for a variety of space related applications, including microsensors, navigation systems (accelerometers, gyros), filters, optical components and more. Included in the miniaturisation of devices is the development of new advanced packaging technologies that enable devices to be integrated more densely into modules and subsystems with the extremely high standards of robustness and reliability required for space missions.

The main objectives of this meeting are to promote the MEMS advanced packaging technologies being developed by UK academic groups and the space industry and to disseminate the knowledge and capabilities to a broad industrial and institutional audience. In particular, this will be an opportunity for academic and commercial organisations to identify areas of common technology interest.

Provisional Programme

10.00-10:30	Registration and Coffee	
10:30-10:45	Welcome	STFC
10.45-11.15	European Space Agency (ESA) presentation	ESTEC, European Space Agency
11.15-11.35	Advanced MEMS Devices for Space Environments	Dr Tom Pike Imperial College, London

11.35-11.55	Space technology presentation	Ralph Green, EADS Astrium
11.55-12.15	Space technology presentation	To be confirmed
12:15-13.15	Lunch and Networking	
13.15-13.35	Introduction to STFC Knowledge Exchange Service	STFC Knowledge Exchange Service
13.35-13.55	Advanced MEMS R&D	Prof. Mark Spearing, University of Southampton
13.55-14.15	MEMS Technologies at Rutherford Appleton Laboratory	Dr Bob Stevens Rutherford Appleton Laboratory
14.15-14.35	Industrial MEMS Product Development	Eric Whitley, Atlantic Inertial Systems
14.35-14.55	Industrial MEMS presentation	To be confirmed
14.55-15.05	Summary and Close	STFC
15:05-16.05	Refreshments and Networking	

The talks are followed by short Q&A sessions.

Agenda & Registration

Agenda & more details are available at:

<http://www.qi3.co.uk/events/event.asp?EventID=211>

Participation is free and open to all interested parties.

If you feel you are able to contribute to this event or would like further information please contact:

Steve Groves- Science and Technology Facilities Council Tel: +44 (0) 1223 422405 email: steve.groves@stfc.ac.uk