

Opportunities for Printed Sensors

17th December 2009

Core Technology Facility, Grafton Street, University of Manchester

Future predictions point to a society where our health and environment will be continually monitored. In healthcare, there will be a need for increased patient monitoring and diagnosis in the home to reduce the burden on health services and to provide an improved quality of life for patients. Environmental monitoring will become more commonplace in order to meet ever stringent air, water and food quality regulations. In the security arena, there will be a need to identify dangerous chemical and biological pathogens quickly.

Ever increasing monitoring will require the supply of sensors which can be manufactured in high volume and at low cost. Printing offers a means of manufacturing sensors on a mass production scale, allowing economic production and making the ubiquitous sensor aspiration a reality.

This one day seminar will highlight the latest research and development in the field and showcase the successful adoption of printing for sensor manufacture. Delegate fees are £75 + VAT for industrial delegates and £50 + VAT for Academic delegates. The cost for companies wishing to display in the exhibition area is £175 + VAT including 1 delegate registration; contact Louisa@ppektn.org for more details. There will be no charge for PhD and University research assistants presenting a poster, to submit a poster please contact Louisa@ppektn.org.

9:30	Registration & coffee	
10:00	<i>Welcome</i>	Chairman
10:05	<i>Key note presentation on Printed Sensors</i>	Tony Killard, Dublin City University
10:40	<i>Printable electronic biosensor: is this a real opportunity?</i>	Luisa Torsi, Università degli studi di Bari
11:15	<i>Intelligent sensors for gas detection</i>	Mike Turner, University of Manchester
11:40	Coffee, networking & posters	
12:10	<i>Sensors for global agriculture and food security</i>	Bruce Grieve, University of Manchester
12:35	<i>Predictive modelling for sensor design</i>	Nicholas Harrison, STFC & Imperial College
13:00	Lunch, networking & posters	
14:15	<i>Sensors & security</i>	Dick Lacey, HOSDB
14:40	<i>Latest developments in glucose sensors</i>	Tbc, Abbott Laboratories
15:05	<i>Printed sensors for medical and environmental applications</i>	Robin Pittson, GEM Ltd
15:30	<i>Exploitation of printed sensor technology</i>	John Pritchard, Smart Holograms
15:15	<i>The use and future developments of printed sensor technology</i>	Mark Howard, Zettlex Ltd
16:20	<i>Thanks & close</i>	Chairman