



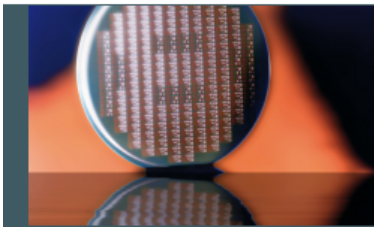
Free State of Saxony  
Saxony State Ministry  
for Economic Affairs  
and Labour



United Kingdom  
of Great Britain  
and Northern Ireland



Fraunhofer  
Institute  
Material and  
Beam Technology



## German-British Workshop Technologies and Materials for Nanoelectronics

**Tuesday 16<sup>th</sup> October 2007**

RAMADA Hotel, Room Dresden  
Wilhelm-Franke-Str. 90, 01219 Dresden

**Moderator: Matthias Werner, NMTC**

**08.40 Registration**

**09:00 Welcome Statement**

### **Technologies, Analytics**

**09:10 Main Trends and Development Issues for Chip Technologies for sub 50nm Generations**  
Karl Heinz Kuesters, QIMONDA Dresden GmbH & Co. OHG

**09:35 A Versatile Tool for Manufacture of Micro-Nano Systems: in-situ Surface Activation, Alignment and Bonding of Wafers, plus Aligned Embossing / Nanoimprint**  
Tony Rogers, Applied Microengineering Ltd (AML)

**10.00 Coating Technology for Glass, Flat Panel Displays and other Applications**  
Johannes Strümpfel, von Ardenne Anlagentechnik

**10:25 Coffee**

**10:50 Deposition of Low Temperature, Low Stress Thin Films using High Density Remote Plasma Process**  
James Dutson, PlasmaQuest Ltd

**11:15 High Resolution Spatial Light Modulators for Semiconductor Mask Writing Down to 45nm Node**  
Michael Wagner, Fraunhofer Institute for Photonic Microsystems

**11:40 Characterisation of Materials for Nano-Scale Electronics**  
Alison Crossley, Oxford University Begbroke Science Park

**12:05 Summing-up**  
Matthias Werner, NMTC

## **Materials, Metrology**

- 12:15**                    **High Resolution Analysis Techniques for sub-50nm Field Effect Transistors**  
Michael Hecker, AMD Advanced Micro Devices
- 12:40**                    **Thin Film Energy Dispersive Spectroscopy for Nanoelectronics**  
Sarah Sharp, Oxford Instruments Analytical
- 13:05 – 14:00**            **Buffet Lunch, opportunity to visit exhibitors' stands**
- 14:00**                    **Modelling and Simulation for Nanoelectronics Interconnect Systems**  
Reinhard Streiter, Fraunhofer Institute for Reliability and Microintegration
- 14:25**                    **CCFT - New Processing Technology for the Deposition of Functional Coatings**  
Tony McKie, Memsstar Technology
- 14:50**                    **Laser-Arc Process for Formation of Nano-Structured Carbon Films and Nano-Particles**  
Hans-Joachim Scheibe, Fraunhofer Institute for Material and Beam Technology
- 15:15**                    **Oxide Precursor used in Nanoelectronics**  
Timothy Leedham, Multivalent
- 15:40 – 16:15**            **Coffee, further opportunity to visit exhibitors' stands**
- 16:15**                    **Formulated Nanomaterials on an Industrial Scale using Hydrothermal Synthesis**  
Ed Lester, University of Nottingham
- 16:40**                    **Packaging for Microelectronics**  
Joachim Kloeser, AEMtec GmbH
- 17:05**                    **Printable Functional Electronic Materials – a new materials technology platform**  
Bill Taylor, MMIV Research Ltd
- 17:30**                    **Summary / Round-up**
- 17:55**                    **End**

## **Evening Program**    **19:00 Dinner hosted by the British Embassy**

Hausbräu im Ballhaus Watzke  
Kötzschenbroder Str. 1/Ecke Leipziger Str.  
01139 Dresden

## **Welcome Party**    **15<sup>th</sup> October 2007** **18:00 – 21:00**

RAMADA Hotel -Foyer-  
Wilhelm-Franke-Str. 90, 01219 Dresden

## **CONTACT**

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CC "Ultrathin functional films"