

## PROGRAMME

### 10.00 - 10.25 Registration, Tea and Coffee

10.25 - 10.30 Welcome – Dr Beverley J Inkson and Dr Richard Langford

### Session 1 chair: Dr Richard Langford (functional)

10.30 - 11.00 **Victor Callegari** (*invited*)- EMPA, Switzerland  
Title?

11.00 - 11.20 **Frank Rutten** (*submitted*)  
Rewritable Pattern Formation on the Surface of a Frozen Ionic Liquid

11.20 - 11.40 **Wuxia Li** (*submitted*)  
Conductivity and Superconductivity of Three-Dimensional Tungsten Nanowires Grown by Focused-ion-beam Induced Deposition

11.40 - 12.00 **Ming Che Wu** (*submitted*)  
Novel 3-D focused ion beam lithography for investigation of spin-transfer torque switching in exchanged-biased spin valve nano-pillar

12.00 - 12.30 **Susan Turnbull** (*invited*) – University of Glasgow  
Title?

### 12.30 - 13.30 Lunch and Poster Session

### Session 2 Chair: Dr Beverley J Inkson (bio, machining)

13.30 - 14.00 **Peter Gnauck** (*invited*) – Carl Zeiss SMT  
High sensitive SIMS on frozen organic samples

14.00 - 14.20 **Virginie Jantou** (*submitted*)  
Analytical transmission electron microscopy of mineralised dentin prepared by fib milling

14.20 - 14.40 **Rob Evans** (*submitted*)  
Analysis of ripple formation on diamond and sapphire during FIB machining

14.40 - 15.00 **Qin Hu** (*submitted*)  
Focused Ion Beam Machining of Glassy Carbon for Applications in Laser Based Nano and Micro Lithography

15.00 - 15.20 **Konrad Jarausch** (*submitted*)  
Functionalized holders for imaging and analysis of nanoparticles

**15.20 - 15.50 Tea/Coffee and Poster Session**

**Session 3 Chair: Dr Victor Callegari** (*techniques*)

15.50 - 16.20 **Debbie Stokes** (*invited*)  
FIB milling strategies for nano-fabrication and prototyping

16.20 - 16.40 **David Armstrong** (*submitted*)  
Micro-Fracture testing Using FIB Machining and Nanoindentation

16.40 - 17.00 **Stephan Kliendiek** (*submitted*)  
Fast and secure lift out method without gas injection

**17.00 Close of Meeting**