

Monday 20th June 2011

Mappin Hall, Mappin Street, The University of Sheffield, UK

Programme

10:00 Registration and Coffee

10:25 Welcome

10:30 Oral Presentations

10:30 **Max Groenendijk**, Lightmotif B.V., Holland
Engineered surfaces machined by ultrashort pulsed lasers and their applications

11:00 **Allan Matthews, A Leyland**, RCSE, University of Sheffield
Optimising tribocontact performance using nanocomposite coatings

11:30 **John Walker**, NCATS, University of Southampton
Fe nano-particle coatings for enhanced running-in wear resistance

11:50 **Beverley Inkson**, NanoLAB, University of Sheffield
Dynamical nanotribology of amorphous carbon

12:10 **Hidetsugu Tanaka**, Hitachi Global Storage Technologies, Japan
Lubricant impact on ~1nm head/disk interface spacing of Hard disk drives

12:30 Lunch and Poster session

13:30 Oral Presentations

13:30 **Fabrice Dassenoy**, Lyon, France
Tribological Properties and Lubrication Mechanisms of Nanoparticles

14:00 **MS Bobji**, Indian Institute of Science, Bangalore
In-situ analysis of wear particles and nanocontacts

14:30 **Aiden Lockwood**, NanoLAB, University of Sheffield
Dynamical mechanics and tribology of liquid nanodroplets

14:50 Coffee and Posters

15:30 Oral Presentations

15:30 **Ardian Morina**, iETSI, University of Leeds
Lubricant tribofilm nanostructure and its effect on macroscale friction and wear performance

15:50 **Tom Reddyhoff**, Imperial College, London
Fluid Lubrication of MEMS

16:10 **Ben Beake**, Micro Materials Ltd, UK
Innovative high temperature nanoindentation and microtribology to 750°C

16:30 Close of Meeting