

Nanoscale Effects in Tribology

NET 2011 Meeting

Date : Monday 20th June 2011

Place : Mappin Hall, Mappin Street, The University of Sheffield, U.K.

Nanoscale Effects in Tribology

There are currently many exciting new developments occurring in tribological materials, which depend on processes occurring at the nanoscale.

The invention of new nanostructured materials with designed tribological performance, and enhanced nanoscale understanding of 'old' tribological materials, are being facilitated by many new technologies becoming available to analyze friction, lubrication and wear.

This meeting will address the advances occurring in nanoscale tribology, providing attendees the opportunity to network, and discuss trends and future developments.

Topics will include the synergistic areas of :

- Wear-resistant nanomaterials
- Nanostructured tribological coatings
- Nanoparticles for tribology and lubrication
- Surface texturing and patterning for tribology
- Low energy tribology
- Tribo-bio-nano for healthcare
- Tribology of functional devices
- Dynamical mechanisms of friction, lubrication and wear
- New methodologies/instrumentation for evaluating tribology at the micro/nano-scale



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Submission of abstracts

We encourage attendees to submit oral or poster contributions to NET 2011. Please submit an abstract, title and author list (up to 300 words) to jean.simpson@shef.ac.uk

** Oral Abstract deadline :
Tuesday 31st May 2011

Registration

** Registration deadline :
Friday 10th June 2011

Register online,
and obtain further details,
bursary information and
programme updates at :

[http://www.nanolab.org.uk/
net2011](http://www.nanolab.org.uk/net2011)