

IEA Implementing Agreement on Advanced Materials-COST
Technical Symposium
June 12, 2007
In conjunction with EcoTrib 2007
Program

Session I. Surface texturing and Ecomaterials

9:00 am Welcoming remarks by Stephen Hsu & Kenneth Holmberg

9:15 am

“Advanced elastohydrodynamic lubrication modeling of engineered surfaces” Prof. Jane Wang, Northwestern University, Evanston, IL, USA

“Challenges in 3-D Characterization of Textured Surfaces” Prof. Gwidon Stachowiak, University of Western Australia, Australia.

“Trends in Ecomaterials development,” Prof. Soo Wahn Lee, Sun Moon University, Korea

“Ecomaterials: corrosion prevention of magnesium alloys,” Dr. Wenyue Zheng, National Research Council of Canada

Lunch

Session II. Nanomaterials characterization and testing

“Carbon composite materials for light-weighting,” Prof. Alan Wheatley, University of Sunderland, UK

“Measurement issues in nanomaterials,” Prof. Stephen Hsu, George Washington University, USA

“Comprehensive Nano-Mechanical Characterization of Nano-Films”, Dr. Norm Gitis and Jun Xiao, Center for Tribology, Inc., Campbell, CA, USA

“Viscoelastic properties of polymeric thin films at the nanoscale and their application to squeeze flow applications” Dr. David Mendels, NPL, UK

“Nanomechanical property measurement using AFM” Dr. Chanmin Su, Veeco Instruments, USA

End

Nanomaterials measurement international round robin meeting immediately afterwards.