

TRIBODAYS 2015

An event organized by Luleå University of Technology in association with the Swedish Tribology Group and hosted by Nynas AB.

WEDNESDAY 7 October

- 10.00–10.30 Registration at Nynäs Havsbad, Nynäshamn
- 10.30 Opening
- 10.40 Simon Day, Vice President Naphthenics, Nynas AB, "Introduction to Nynas AB"
- 11.00 Luis Bastardo-Zambrano and Thomas Norrby, Nynas AB, "Trends in the base oil landscape- changes and opportunities"
- 11.30 Keynote: Graham Gow, Axel Christiernsson AB, "No Middle Option or why little has changed over the past 70 years"
- 12.00 Discussion
- 12.30–13.30 Lunch
- 13.30 Steve Papanicolaou, Bruker, "Bench-Top Screening of Clutch Materials"
- 13.50 Björn Jedvik, Comsol, "FE Modelling of a Thin Film Application"
- 14.10 Andrew Spencer, Scania, "Thermal elasto-hydrodynamic simulation of a slider bearing in a heavy duty diesel engine transmission"
- 14.30 Matthias Meuter, Advanced Simulation Technologies, AVL Deutschland GmbH, "Multi-body engine simulation including non-conformal lubricated conjunctions"
- 15.00 Fika (Coffee break)
- 15.30 Jonny Hansen, Scania, "A gear contact simulation on asperity level"
- 15.50 Bo Alfredsson, KTH, "Asperities and surface initiated rolling contact fatigue"
- 16.10 Carl-Magnus Everitt, KTH, "Surface stresses around an asperity that passes an elasto-hydrodynamic contact"
- 16.30 Mohammad Shirzadegan, LTU, "Time-dependent elasto-hydrodynamic analysis of cam-roller contacts"
- 17.00 Closure and opportunity to make use of Nynas Havsbad's relax facilities
- 19.30 Dinner at Nynas Havsbad

THURSDAY 8 October

- 08.30 Daniel Strömbergsson, LTU and Emil Edin, Applied Nano Surfaces, “Acoustic emission monitoring of the triboconditioning process”
- 08.50 Jonas Ståhl, SKF, “Relevant lubricant properties for simulation software”
- 9.10 Ichiro Minami, LTU, “EAL for marine applications – Overview of EPA regulations and future technologies”
- 9.30 Yijun Shi, LTU, “Tribological performance of polymer based composites under the lubrication of ILs”
- 10.00 Fika (Coffee break)
- 10.30 Petra Olander, Uppsala University, “A fuel additive promising reduced consumption – too good to be true?”
- 10.50 Robin Elo, Uppsala University, “The role of oil additives in reducing the wear of engine valves”
- 11.10 Shanghua Li, ABB, “ABB challenges on tribology related technology “
- 11.30 Rene Abrahams, Nynas AB, “R&D projects at Nynas AB”
- 12.00 Transport to Nynas AB (use your own vehicles, no organized transport)
- 12.30 Lunch mingle at Nynas AB
- 13.30–15.00 Tour at Nynas AB refinery



Exhibitors:

