

TRIBODAYS 2013 – Luleå University of Technology

THURSDAY 26 september

- 11.00–12.00 Registration outside room E632 in the E-building. Enter the building from entrances E7 or E10 (taxi drivers know these entrances)
- 12.00–13.00 Lunch. If you want to join for lunch please meet up a few minutes before 12.00 outside room E632
- 13.00 Introduction + presentation of this year's Research School Course
- 13.10 Patric Waara, SSAB, "SSAB wear solutions"
- 13.30 Dan Forsström and Pär Jonsén, LTU, "Modelling of wear in dumper truck bodies"
- 13.50 Sinuhe Hernandez, LTU, "High temperature wear mechanisms maps"
- 14.10 Cédric Courbon, LTU and UMR CNRS/ECL/ENISE, France "Another insight into some standard tribological experiments"
- 14.40 Leonardo Pelcastre, LTU, "Important aspects of galling during forming of Al-Si coated high strength steel"
- 15.10 Coffee
- 15.30 Ulf Jonsson, United Technologies Research Centre, USA, "Tribological challenges in the aero industry"
- 15.50 Ichiro Minami, LTU, "What can chemistry contribute to tribology?"
- 16.10 Yijun Shi, LTU, "Green, bio-based lubricants"
- 16.30 Oleg Antzutkin, LTU, "Novel boron compounds as lubricants and additives to lubricants"
- 16.50 Johan Casselgren, LTU, "Road grip change during winter testing"
- 18.30 Pre-dinner cocktail at Kulturens Hus (top floor)
- 19.00 Dinner at Kulturens Hus restaurant, Luleå city centre

FRIDAY 27 september

- 8.30 Harald Nyberg, Uppsala University, "Active low-friction coatings – tribological mechanisms and practical aspects"
- 8.50 Marcus Björling, LTU, "Coatings for 50% reduction of friction in lubricated contacts"
- 9.10 Helena Ronkainen, VTT, Finland, "Modelling assisted research of coatings"
- 9.30 Coffee
- 10.00 Bo Persson, Jülich Research Institute, Germany, "Contact mechanics"
- 10.40 Hugo Boffy, Twente University, "Multigrid method applied for the design of heterogeneous material in tribology"
- 11.00 Peter Wall and Andreas Almqvist, LTU, "How generic mathematical models enable tribological understanding"
- 11.20 Jonas Ståhl, SKF, "Links between fundamental R&D and commercial simulation tools"
- Closing
- Lunch
- 13.00 Greg Simmons PhD-thesis defense in room D770 (D-building)
- Thesis title: Journal Bearing Design, Lubrication and Operation for Enhanced Performance
- Opponent: Professor Rob Dwyer-Joyce, University of Sheffield, UK
- Chairman: Professor Braham Prakash, Division of Machine Elements, LTU

