

Program – Tribodays 28-29 November, 2017

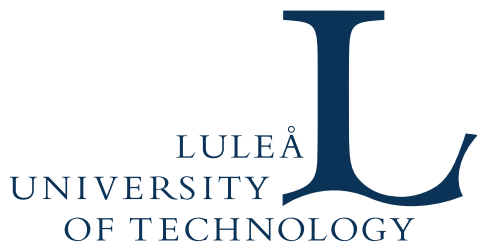
Venue: Vattenfall R&D, Älvkarleby

Tuesday 28 November

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| 10.00 | Coffee and registration |
| 11:00 | Introduction to Tribodays 2017 |
| 11.15 | ”Introduction to Vattenfall”, Jonas Wilde and ”Tribology at Vattenfall”, Jan Ukonsaari and Greg Simmons. |
| 12.00 | Lunch |
| 13.00 | ”Tribo-condition monitoring for optimized performance and longer service life”, Pär Marklund, Luleå University of Technology |
| 13.25 | ”Bearing faults in the wind turbine drivetrain: Comparative study of monitoring with FFT and the Discrete Wavelet Transform”, Daniel Strömbergsson, Luleå University of Technology |
| 13.50 | ”Novel Measurement Technologies for Tribological Applications for Laboratory and Field use”, Phil Harper, Tribosonics Ltd, UK |
| 14.15 | ”Benchtop Brake Material Screening: Can we correlate with full-scale SAE J2522 results”, Patrick Markus, Bruker |
| 14.50 | Coffee |
| 15.20 | ”Friction characteristics of environmentally adapted lubricants in boundary lubricated contacts”, Kim Berglund, Luleå University of Technology |
| 15.45 | ”Dry sliding wear and friction behavior of self-lubricating polymer composite bearing materials under extreme operating conditions”, Maria Rodiouchkina, Luleå University of Technology |
| 16.10 | ”Reducing Maintenance through Implementation of Water Lubricated Turbine Guide Bearings - Design Principles & Case Studies”, Greg Auger, Thordon Bearings/DUWEL |
| 16.35 | ”An advanced thermal processing and coating technology for enhanced friction and wear behaviour applied on a new type of hybrid steel with unique in-process mechanical strengthening properties”, Johan Blomkvist, Applied Nano Surfaces and Fredrik Lindberg, Ovako |
| 16.50 | ”New polymer composites for extreme tribological applications”, Nazanin Emami, Luleå University of Technology |
| 19.00 | Dinner |

Wednesday 29 November

- 8.30 "The challenge of preventing engine valve wear", Robin Elo, Uppsala University
- 8.55 "Surface texture for combustion engine cylinder liners", Markus Söderfjäll, Luleå University of Technology
- 9.20 "Boric Acid as a lubricating fuel additive – model test experience and field test status", Elin Larsson, Uppsala University
- 9.45 Coffee
- 10.15 "CFD simulation of turbulence in LEG Tilting Pad Bearings", Philip Croné, Luleå University of Technology
- 10.40 "Modelling Tools for Rotordynamics and Bearings", Niklas Rom, Comsol
- 11.10 "The benefits of plastic deformation in the performance of metal-to-metal seals", Francesc Perez Rafols, Luleå University of Technology
- 12.00 Lunch
- 13.00-15.00 Study visit at Vattenfall R&D



Exhibitor:

