Draft program – Tribodays 27-28 November, 2018
Venue: Sandvik Coromant, Sandviken

**Tuesday 27 November**

10.00 Coffee and registration
11.00 Introduction to Tribodays 2018
11.15 "Introduction to Sandvik Coromant", Susanne Norgren, Group Expert Materials Design, Sandvik Coromant
12.00 Lunch
13.00 “Effects of Microstructure of Compacted Graphite Iron in Tribological Strategy”, Damien Joly, Sandvik Coromant
13.25 “Adhesion tendency of PVD TiAlN coatings at elevated temperatures during reciprocating sliding against carbon steel”, Jens Hardell, Luleå University of Technology
13.50 “Effect of load, duration and surface roughness on friction and wear during TiAlN sliding against 316L stainless steel”, Pouria Valizadeh Moghaddam, Luleå University of Technology
14.15 “Tribological performance of AM tool steel in contact with aluminium alloy at elevated temperatures”, Vuokko Heino, VTT Tampere, Finland
14.50 Coffee
15.20 “Modelling and simulation in Tribology”, Andreas Almqvist, Luleå University of Technology
15.45 “Transient TEHL algorithms for conformal contacts in multibody simulation”, Jonas Ståhl, SKF
16.10 “New technology brings tribology simulations to the masses”, Niklas Rom, Comsol AB
19.00 Dinner

**Wednesday 28 November**

8.30 “High temperature nanomechanics as a tool to improve hard PVD coating performance”, Ben Beake, Micro Materials Ltd., UK
8.55 “High temperature tribology of spark plasma sintered CuMoTaWV high entropy alloy”, Sajid Alvi, Luleå University of Technology
9.20 “Parameter screening for predicting the surface performance of rolling sliding contacts”, Zlate Dimkovski, Halmstad University
9.45 “Effect of UHMWPE particle size on its properties, processability, and tribological performance”, Hari Vadivel, Luleå University of Technology
10.15 Coffee
10.40 “Tribology optimization for industrial processes”, Fredrik Gustavsson, Swerim AB
11.00 Future challenges for Swedish Tribology!? – Plenary and group discussions
12.00 Lunch
13.00-15.00 Study visit at Sandvik Coromant