



Swedish Research School in Tribology

Schedule

Tribological materials and coatings

Tuesday, December 4th

- 8:15 Welcome and Introduction (Urban Wiklund, UU)
8:30 Cutting edge tribology (Julia Gerth, UU)
8:45 Material fundamentals (Urban Wiklund, UU)
10:15 *Coffee*
10:30 Microstructure and properties (Urban Wiklund, UU)
11:45 *Lunch*
13:00 Tribological bulk materials (Urban Wiklund, UU)
14:00 Modified and coated surfaces I (Staffan Jacobson, UU)
15:00 *Coffee*
15:15-17:00 Laboratory work I
17:30 *Activity*
19.00 *Dinner*

Wednesday, December 5th

- 8:15 Modified and coated surfaces II (Staffan Jacobson, UU)
10:15 *Coffee*
10:30 Coating deposition techniques and film growth (Urban Wiklund, UU)
11:45 *Lunch*
13:00 Case studies (Urban Wiklund, UU)
14:00 Solid lubricant films (Braham Prakash, LTU)
15:00 *Coffee*
15:15-17:15 Laboratory work II
18:30 *Dinner*

Thursday, December 6th

- 8:15 Materials and coatings characterisation (sa Kassman, UU)
9:15 A coatings exposé (*incl. coffee break*) (Bojan Podgornik, IMT Slovenia)
11:45 *Lunch*
13:00 Laboratory work III
15:00 *Coffee*
15:15-15:30 Summary. Assignments and examination.

Lab work:

SEM on cross sections, Scratching and Adhesion, Microabrasion, Pin-on-disc, Indentation, Deposition