



## 18 – 20 January 2017

Venue: Max Planck Institute for Polymer  
Research

### Agenda

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#### 18.01.2017, Wednesday

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19:00 Dinner, Haus des Weines, HDW ([Address](#))

#### 19.01.2017, Thursday

8:20 Philosophy of ITNs: Research, training, deliverables, outreach,... (D. Vollmer & M. d'Acunzi)

8:55 Unit costs: Living & mobility allowance; research, training networking costs; management & indirects,... (D. Vollmer & M. d'Acunzi)

9:30 Coffee

10:00 Introduction: Lubricant impregnated surfaces (D. Vollmer)

10:25 WP 1: Fabrication of lubricant impregnated surfaces. Strategies for lubricant replenishing.  
– Silicone nanoparticles of different shape as ingredient for lubricant impregnated surfaces (S. Seeger)

10:55 – Easy processing of porous surfaces and approaches to replenish the drained lubricant (P. Vuoristo)  
– Investigating ice formation and adhesion in a wind-tunnel

11:20 WP 2: Experimental characterization of the shape & stability of the lubricating film and of the adhesion of ice, dispersions and microorganisms  
– Designing and coating textured surfaces of tunable stiffness, self-replenishing (D. Vollmer, H.-J. Butt)  
– Monitoring icing and deicing in 3-dimensions  
– Monitoring the motion of bacteria and cells under still and flow conditions

11:45 – Characterization of drop dynamics on slippery surfaces (D. Quéré)  
– Dewetting on slippery surfaces

12:15 Lunch

13:15 WP 5&6 Training: Schools, workshops, conferences, soft skills,... (D. Vollmer & M. d'Acunzi)

13:40 WP 7 Boards: Management team, supervisory board, training board, outreach board,... (D. Vollmer & M. d'Acunzi)

14:05 Consortium agreement

14:10 Coffee

14:35 WP 3: Theoretical modelling of the static and dynamic properties of the lubricating film, ice adhesion and interaction with particular matter  
– Impacting experiment on slippery surfaces (D. Lohse)

15:00 – Dynamics of wetting ridges (J. Snoeijer)

15:25 – Modeling the dynamics of slippery surfaces (J. Yeomans )  
– Particles and bacteria at slippery surfaces

15:50 Coffee

16:10 WP 4: Defining applications, characterization, and benchmarking of materials  
– Ice wind tunnel and durability of new developed icephobic coatings for aerospace applications (E. Bonaccorso)

16:35 – Wear resistance of lubricant impregnated surfaces (P. Sorsa )

17:00 – Controlling the adhesion of bacteria via a combination of fibre treatment and surface functionalization (J. Gutmann)

17:25 Round table discussion on cooperations, secondments, meetings, etc.

18:30 Dinner, Proviantamt

### **20.01.2017, Friday**

9:00 Lab tour, continuing discussions on cooperations, management, finances, secondments,...