

IFPRI Workshop: Tribology and Friction in Wet and Dry Systems
Times are Central European Standard Time (GMT+1)

Monday, January 19, 2026

Time	Title	Speaker
8:30	Welcoming Comments	Workshop Chairs
8:35	Workshop Objectives and Session 1 Introduction	
8:45	Tribology in Dry Systems Overview	Thorsten Poschel, FAU
9:25	Tribology of wet systems: from hydrodynamic to boundary contacts	Lucio Isa, ETH
10:05	Session 1: Industrial Challenges	
10:10	Combining molecular dynamic simulation with neutron reflectometry to understand and predict friction	Peter Dowding, Infineum
10:20	Friction and Adhesion in Food Suspensions	Thomas Curwen, Mondelez
10:30	Disadvantages and benefits of adhesion during SG production processes	Pierre Jop, Saint Gobain
10:40	Dispersion and Tribological Behavior in Silica/Silicone Systems	Jens Natterodt, Dow
10:50	Coffee Break	
11:05	Breakout Session 1: Industrial Needs	
12:20	Breakout Session 1 Report Out	
12:50	Lunch	
13:50	Session 2 Experimental Investigation of Friction and Adhesion	
13:55	Rheology and Microstructure of Battery Electrode Slurries	Jaewook Nam, Seoul National University
14:15	Experimental 2	Gareth McKinley, M.I.T.
14:35	Impact of Interparticle Friction and Adhesion on the Bulk Rheology of Granular Media	Olivier Pouliquen, Aix-Marseille
14:55	Coffee Break	
15:10	Breakout Session 2	
16:25	Breakout Session 2 Report Out	
16:55	Adjourn	
18:00	Happy Hour	
19:00	Workshop Banquet	

Tuesday, January 20, 2026

Time	Title	Speaker
9:00	Session 3 Introduction: Modeling and Simulation of Friction and Adhesion	
9:05	Recent Developments and Opportunities in Mesoscale Modeling of Colloidal Suspensions	Michael Howard, Auburn University
9:25	Friction reduces degrees of freedom: implications in dense suspensions	Jeff Morris, City College of NY
9:45	Interlocking versus friction and adhesion	Farhang Radjai, U. Montpellier
10:05	Coffee Break	
10:20	Breakout Session 3	
11:35	Breakout Session 3 Report Out	
12:05	Lunch	
13:05	Session 4 Introduction: Gaps and Opportunities	
13:10	Breakout Session 4	
14:25	Breakout Session 4 Report Out	
14:55	Coffee Break	
15:10	Full Group Discussion	
16:10	Final Comments/Next Steps	
16:20	Adjourn	