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Joint ICTP-COST-MODPHYSFRICT Conference on “Trends in Nanotribology 2017” (TiN17) | (smr 3127)

Wednesday 28 June 2017

Day 3 - Budinich Lecture Hall (LB) (09:10-22:10)

time	title	presenter
09:10	Scale Dependence of Contact and Friction from Atomic to Macroscopic Scales	ROBBINS, M.O.
09:50	Sub-Angstrom-resolution Elasticity and Friction in 2D Van der Waals Materials	RIEDO, E.
10:30	Coffee Break	
11:00	Estimation of Surface Corrugation Energy Amplitude from Friction Force Microscopy Measurements of NaCl in Ethanol using the Prandtl-Tomlinson Model	BERKOVICH, R.
11:20	Limitations of Structural Superlubricity: Chemical Bonds Versus Contact Size	SCHIRMEISEN, A.
11:40	Modeling Interlayer Interactions in Layered Materials	HOD, O.
12:20	Lunch Break	
14:00	Excellence Center of Tribology: The Institution, the Highlight Topics, and the Research Roadmap	FRANEK, F.
14:40	The Use of Nanoparticles in the Enhancement of the Tribological Properties of Conventional Lubricating Oils	ZIN, V.
15:00	Nonlinear Stochastic Model of Stick-Slip Friction due to Ice Surface Softening	KHOMENKO, A.
15:20	Manipulating Fingertip Friction via Partial Ultrasonic Levitation	WIERTLEWSKI, M.
16:00	Coffee Break	
16:30	Controlling and Manipulation Surface Forces by Electrochemistry	PAPASTAVROU, G.
17:10	COST MC Meeting	
19:30	Social Dinner	