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

Thursday 29 June 2017

Day 4 - Budinich Lecture Hall (LB) (09:10-18:10)

time	title	presenter
09:10	Stick-slip Friction Studied with Trapped Ions	VULETIC, V.
09:50	Liposomes as a platform for Lubrication and for Drug Delivery: Utilizing the Hydration Lubrication Paradigm in Vitro and In-vivo	GOLDBERG, R.
10:30	Coffee Break	
11:00	Ballistic Thermophoresis on Graphene	PANIZON, E.
11:20	Universal Contact Ageing Mechanism Revealed by Stick Slip Measurements of Sliding Nanoparticles	DIETZEL, D.
11:40	Meeting the (Tribology Letters) Contact-Mechanics Challenge	MUESER, M.H.
12:20	Lunch Break	
14:00	Linking Microstructure to Wear-Induced Pitting Corrosion in Aged 2507 Super Duplex Stainless Steel	WAHL, K.J.
14:20	Sliding Friction of Graphene/h-BN Heterojunctions: Towards Robust Superlubricity	MANDELLI, D.
14:40	Lubricated Friction at the Nanoscale: Insights from Molecular Dynamics Simulations and Machine Learning	LAURSON, L.
15:20	Bridging the gap between macro and nano-scale wear behavior: an experimental attempt	NOEL, O.
15:40	Image States and Energy Dissipation on Bi ₂ Te ₃ Surface	YILDIZ, D.
16:00	Coffee Break	
16:30	Manipulation of organic molecules (ssDNA and pyrene chains) over a gold surface: insights from atomistic MD simulations	PEREZ, R.
16:50	Role of Surface Roughness and Viscoelasticity on Rubber Adhesion in Dry and Liquid Environments	DOROGIN, L.
17:10	First Principles Investigation of Frictional Properties of Graphene and 2D Transition Metal Dichalcogenides	GULSEREN, O.
17:30	Electro-Responsive Polyelectrolyte-Coated Surfaces	DRUMMOND, C.