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Dissipation Mechanisms in Nano/Mesoscale Tribological Systems | (smr 3713)

Thursday 02 June 2022

notitle - Leonardo Building - Budinich Lecture Hall (09:00-14:30)

time	title	presenter
09:00	Energy Dissipation in Soft Adhesion from a Depinning Perspective	LARS PASTEWKA
09:30	Friction of a Self Assembled Structure at Interface	SEYEDMEHDI VAEZALLAEI
09:50	Grain Boundary Sliding and Low Friction in Metals	EVAN MICHAEL CHANDROSS
10:20	Quantum Theory of Triboelectricity	ALEJANDRO JENKINS VILLALOBOS
10:40	Coffee Break	
11:10	Trajectory Anisotropy of a Sliding Tip Induced by Apex Asymmetry	ALI SADEGHI
11:30	Interlayer Electronic Transport in Sheared Bilayer Graphene Systems	ELAD KOREN
12:00	Friction, Wear, Lubrication and Tribochemical Reactions Using in Situ Atomic Force Microscopy in Liquids	NITYA NAND GOSVAMI
12:30	Structural Superlubricity: From Dissipation to Functioning	QUANSHUI ZHENG
13:00	Lunch	