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

Monday 30 May 2022

notitle - Budinich Lecture Hall (09:00-14:20)

time	title	presenter
09:00	Nanoscale Frictional Behavior of 2D Materials: Connecting Contact Quality and Static Friction	ROBERT CARPICK
09:30	Fingerprint of a Structural Phase Transition During Superlubric Sliding	EBRU CIHAN
09:50	Soft and Slippery: Microgel-coated Surfaces under Shear	CARLOS ALBERTO DRUMMOND SUINAGA
10:20	Critical Peeling of Tethered Nanoribbons	ANDREA SILVA
10:40	Coffee Break	
11:10	Magnetic Tuning of Mechanical Dissipation in Quantum Graphene	ALEXINA OLLIER
11:30	Controlled Nanomanipulation and Nanolithography on Mono - and Multilayer MoS ₂ Surfaces	ENRICO GNECCO
12:00	Frictional Properties of Graphene Grain Boundaries: Dynamics of Dislocations and Moiré Superstructures	XIANG GAO
12:20	Translucency and Temperature-dependence for the Slip Length of Water on Supported Graphene - Part 1	MING MA
12:50	Lunch	