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

Monday 30 May 2022

notitle - Kastler Lecture Hall (14:20-20:00)

time	title	presenter
14:20	On the Modelling of Triboelectricity and Stress-induced Ionization	MARTIN MUSER
14:50	Phonon Transport at Molecular Interfaces – Lessons for Tribologists	BERND WALTER GOTSMANN
15:20	Sliding and Pinning in Superlubric 2D Material Interfaces	JIN WANG
15:40	Nanoscale Friction on 2D Materials from Solid Lubrication to Covalent Adhesion	ROLAND BENNEWITZ
16:10	Coffee Break	
16:40	Sliding Molecules and Mechanical Dissipation Quantum States in Nanoporous Molecular Networks to an Atomic Force Microscope	REMY PAWLAK
17:10	New Avenues in Structural Superlubricity: Contact Aging and Friction Switches	MEHMET ZEYYAD BAYKARA
17:30	Interfacial Shear at the Atomic Scale	ELISA RIEDO
18:00	Poster session (in person) & Welcome reception	
19:00	Group Photo	