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Joint QLS-CMSP Virtual Summer Retreat on Heat, Water, Noise, and Life | (smr 3550)

Thursday 30 July 2020

notitle - Online (14:00-18:00)

Chair: Ali Naji (IPM, Iran)

time	title	presenter
14:00	Stochastic Behavior of Two Unequally Biased Brownian Particles with Internal Resetting	NIEL CAIDIC
14:15	Heat Transfer Characteristics of Nano-Confined Gas Medium	REZA RABANI
14:30	First-passage Characteristics of Resetting Biased Diffusion with Mixed Absorbing and Reflecting Boundaries	ANGELO RAMOSO
14:45	Break	
15:00	Thermal Transport in Silicon Nanostructures as Promising Anode Materials for Li-ion Batteries	YASER BAHARI
15:15	Hitting and Cover Times of Resetting Random Walks on Finite Networks	JUAN ANTONIO MAGALANG
15:30	Effect of Cell-like Topography on Drug Susceptibility of Breast Cancer Cells to Doxorubicin	FATEMEH SHAHRIYARI
15:45	Break	
16:00	Virus-like Particles: Electrostatic Stability and Nanoparticle Encapsulation	LEILI JAVIDPOUR
16:15	Resetting on a Ring	GENNARO TUCCI
16:30	Dipolar Nonactive and Active Spheroids in Shear Flow: Orientational Pinning, Cross-stream Migration and Particle Focusing	MOHAMMAD REZA SHABANNIYA
16:45	Break	
17:00	Power Minimization of Critical Oscillators in Active Baths	ASHWIN GOPAL
17:15	Continuum Modeling of Electrophoresis and Zeta Potential of Air Bubbles in Pure Water	ARGHAVAN PARTOVIFARD
17:30	First-passage Fingerprints of Diffusive Dynamics	ROMAN BELOUSOV
17:45	Ubiquitous ratios and their large deviations in reset processes	FRANCESCO COGHI