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Recent Progress in Thermal Transport Theory and Experiments | (smr 3711)

Wednesday 01 June 2022

notitle - (09:00-19:00)

time	title	presenter
09:00	Controlling heat flow by manipulating phonons and their interactions: a bottom-up approach	NAVANEETH RAVICHANDRAN
09:40	Exploring massive structure-search-space for thermal transport	JUICHIRO SHIOMI
10:20	Break	
10:40	Entropy production fluctuations in the electronic transport in nanoscopic systems	CAIO LEWENKOPF
11:20	In-plane thermal transport in suspended silicon and graphene isotope superlattices	MICHAEL HILKE
12:00	Lunch	
14:00	Phonon Hall Effect	JIAN SHENG WANG
14:40	Ab initio Green-Kubo Simulations for the Investigation and Discovery of Thermal Insulators	FLORIAN KNOOP
15:20	Break	
15:40	Thermal Transport Across Grain Boundaries and Interfaces from Machine Learning and ab initio Simulation	SANGYEOP LEE
16:20	Advances in computing electron-phonon interactions and electrical transport from first-principles	MARCO BERNARDI
17:00	Poster_session	