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

Tuesday 31 May 2022

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time	title	presenter
09:00	First-Principles Multiscale Modeling Enabled by Machine-Learning Interatomic Potentials	BOHAYRA MORTAZAVI
09:40	Thermal Transport and Thermal Expansion in 2D Materials Studied by Machine Learning Interatomic Potentials	ALI RAJABPOUR
10:20	Break	
10:40	Lattice Thermal Transport Near the Ferroelectric Phase Transition in GeTe	IVANA SAVIC
11:20	Total Phonon Engineering in a Modular Multiple Anion Inorganic Bulk Superlattice	JONATHAN ALARIA
12:00	Lunch	
14:00	Super-thermal Evaporation of Water Under Visible Light: Photomolecular Effect	GANG CHEN
14:40	Understanding Mesoscale Energy Transport in Quantum Materials	CHENGYUN HUA
15:20	Break	
15:40	Inverse Design of Low-Thermal Conductivity Nanostructures with OpenBTE	GIUSEPPE ROMANO
16:20	High-throughput Phonon Property Prediction for 63 Elements with Elemental Deep Neural Network	MING HU