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

## Monday 30 May 2022

**notitle - (09:00-17:00)**

***Time zone: You can choose your time zone (in place of Europe/Rome) on the top right of the page and the programme time will be modified accordingly.***

time	title	presenter
09:00	Localization Effects due to a Random Magnetic Field on Heat Transport in a Harmonic Chain	ABHISHEK DHAR
09:40	First-principles Calculations of Phonons and Crystal Structures at Finite Temperatures	TERUMASA TADANO
10:20	Break	
10:40	Onsager Relations, Nonequilibrium Phase Transitions and Absolute Negative Mobility	GIULIO CASATI
11:20	Wigner formulation of thermal transport in solids: a unified theory for glasses and complex crystals with ultralow conductivity	FRANCESCO MAURI
12:00	Lunch	
14:00	Temporal Coherence in Heat Conduction	SEBASTIAN VOLZ
14:40	Probing the Breakdown of Phonon Quasiparticles in Strongly Anharmonic and Complex Crystals: Scattering Experiments and Simulations	OLIVIER DELAIRE
15:20	Break	
15:40	Nanoscale Thermal Transport in Complex Structures and across Interfaces	ZHITING TIAN
16:20	Microscopic Energy Transport in Emerging Quantum Materials	BOLIN LIAO