Table of contents

Wednesday 13 January 2027 1

23rd International Workshop on Computational Physics and Materials Science: Total Energy and Force Methods | (smr 4335)

Wednesday 13 January 2027

2. Electrons and Phonons in the Time Domain: Excitations, Transport and Dynamics - Budinich Lecture Hall (LB) (12:10-16:40)

time	title	presenter
12:10	Electron-phonon interactions in the time domain	FABIO CARUSO
12:40	Lunch	
14:10	Coupled Quantum Dynamics of Electrons and Protons: Multicomponent DFT extension of RT-TDDFT via nuclear-electronic orbital method	YOSUKE KANAI
14:40	Theoretical modeling of ultrafast phase transitions	MATTEO CALANDRA
15:10	Relativistic Dynamics and Electron Transport in Isolated Chiral Molecules	MATTEO COCOCCIONI
15:40	Coffee break	
16:10	Excited States at Scale: Spectroscopy and Nonadiabatic Dynamics of Condensed-Phase Systems	SANDRA LUBER