

2024 QFort Workshop

04.15 - 04.17 Conference Center, B1, Main Library, NCKU

Program

17 Apr., 2024
Wednesday

Time	Speaker	Title
08:50-09:10	Registration	
Quantum information theory Chairman: Prof. Yeong-Cherng Liang (NCKU)		
09:10-09:50	Debbie Leung (online) (Univ. of Waterloo, Canada)	Purifying arbitrarily noisy quantum states
09:55-10:35	Hao-Chung Cheng (NTU)	Simple and Tighter Derivation of Achievability for Classical Communication Over Quantum Channels
10:35-10:50	Tea Break	
AMO quantum technologies Chairman: Prof. Yong-Fan Chen (NCKU)		
10:50-11:20	Guin-Dar Lin (Hon Hai Research Institute / NTU)	Trapped-ion quantum computing at Foxconn—mission, roadmap, and progress
11:25-11:55	Chih-Sung Chuu (NTHU)	
12:00-12:30	Paul-Antoine Moreau (NCKU)	Quantum imaging and quantum inspired imaging
12:30-14:00	Lunch	
Quantum information theory Chairman: Prof. Hao-Chung Cheng (NTU)		
14:00-14:30	Min-Hsiu Hsieh (Hon Hai Research Institute)	
14:35-15:05	Shin-Liang Chen (NCHU)	General characterization of quantum temporal correlations
15:05-15:30	Tea Break	
Quantum materials & devices Chairman: Prof. Frank Kao (NCKU)		
15:30-16:00	Jan-Chi Yang (NCKU)	Towards low-dimensional complex oxides and complex twisted oxide architectures
16:05-16:35	Luke Smith (NCKU)	Selective Area Oxygen Doping For Improved Performance in p-type Two Dimensional Wse2 Transistors
16:35-16:45	Closing Remarks	