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Workshop on Quantum Science and Quantum Technologies | (smr 3183)

Wednesday 13 September 2017

- Budinich Lecture Hall (LB) (09:00-18:20)

time	title	presenter
09:00	Universal Scaling Laws for Correlation Spreading in Quantum Systems	LUCA TAGLIACOZZO
09:35	Energy localization, quantum chaos, and the meltdown of digital quantum simulation	PHILIPP HAUKE
10:10	Topological properties and many-body phases of synthetic Hofstadter strips	ALESSIO CELI
10:45	Break	
11:15	Quantum photonics for novel quantum computing and testing quantum physics foundations	PHILIP WALTHER
11:50	Hamiltonian quantum simulation and learning in integrated quantum photonics	STEFANO PAESANI
12:25	Superconducting qubits for analogue quantum simulation	GERHARD KIRCHMAIR
13:00	Lunch break	
14:25	Measuring Non-Commuting Observables of a Single Photon via Sequential Weak Values Evaluation	MARCO GRAMEGNA
15:00	Revealing non-classicality of inaccessible objects	MAURO PATERNOSTRO
15:35	Opportunities and challenges in quantum-enhanced machine learning	ALEJANDRO PERDOMO ORTIZ
15:50	Topological pumping and quantum transport of Fock states in nonlinear resonator arrays	JIRAWAT TANGPANITANON
16:05	Break	
16:35	Photonic quantum simulator for unbiased phase covariant cloning	LAURA KNOLL
16:50	Simultaneous estimation of parameters encoded in coherent states	MATTHIEU ARNHEM
17:05	Engineering Decoherence in an Atom optic Kicked rotor system	SUMIT SARKAR
17:20	Measuring non-classicality of quantum channels	FERESHTE SHAHBEIGI
17:35	The Wigner function as measure of quantum correlations	MORAD EL BAZ
17:50	Non-reversal Open Quantum Walks	HAZMATALLY GOOLAM HOSSEN
18:05	Fidelity of teleportation of Glauber coherent states	SANAA SEDDIK