Young IQIS 2020 - Young Italian Quantum Information Science Conference

Monday, 28 September 2020

<u>Contributed: Quantum Metrology</u> (15:15 - 16:15)

time	[id] title	presenter
15:15	[87] Noisy quantum metrology enhanced by continuous nondemolition measurement	ROSSI, Matteo
15:23	[91] Continuous-time quantum walks in the presence of a quadratic perturbation	RAZZOLI, Luca
15:30	[67] Super-resolution Optical Fluctuation Imaging—fundamental estimation theory perspective	KURDZIAŁEK, Stanisław
15:38	[92] Quantum multiphase estimation in an integrated photonic circuit	POLINO, Emanuele
15:45	[84] A machine learning approach to Bayesian parameter estimation	NOLAN, Samuel
15:52	[57] Bayesian multiphase estimation at the Heisenberg limit	GEBHART, Valentin
16:00	[55] Critical Quantum Metrology with a Finite-Component Quantum Phase Transition	FELICETTI, Simone
16:07	[46] Discrimination of Ohmic thermal baths by quantum dephasing probes	CANDELORO, Alessandro

Wednesday, 30 September 2020

Contributed: Many-body (15:15 - 16:15)

time	[id] title	presenter
15:15	[73] The Frustration of being Odd	MARIĆ, Vanja
15:22	[52] Bulk detection of time-dependent topological transitions in quenched chiral models	DI COLANDREA, Francesco
15:30	[53] Witnesses of coherence and dimension from multiphoton indistinguishability tests	ESPOSITO, Chiara
15:37	[69] Vacancy-like dressed states in topological waveguide QED	LEONFORTE, Luca
15:45	[79] The complete spectrum of spin-1/2 XXZ chain at root of unity	MIAO, Yuan
15:52	[47] D-Wave as a generator of structural models in materials science	CARNEVALI, Virginia
16:00	[76] Modeling order-disorder phase transitions with a quantum annealer	SILOI, Ilaria
16:07	[81] Mitigating quantum errors with Mitiq	SHAMMAH, Nathan

Friday, 2 October 2020

Contributed: Quantum Information (15:15 - 16:15)

time	[id] title	presenter
15:15	[74] Characterising quantum correlations of fixed dimension	SPARACIARI, Carlo
15:22	[86] Robust entanglement preparation against noise by controlling spatial indistinguishability	NOSRATI, Farzam
15:30	[64] Entanglement of identical particles	JOHANN, Till
15:37	[59] Noise-Resilient Variational Hybrid Quantum-Classical Optimization	GENTINI, Laura
15:45	[71] Manipulation and reconstruction of high-dimensional states	SUPRANO, Alessia
15:52	[51] The quantum Wasserstein distance of order 1	DE PALMA, Giacomo
16:00	[60] Generic aspects of the resource theory of coherence	GRAMEGNA, Giovanni
16:07	[70] Contextuality-by-default for behaviours in compatibility scenarios	TEZZIN, Alisson