Poster Number (Monday)	Title	Authors
1	Localization effects in the circuit model: an efficient exact calculation of the Lieb-Robinson commutator norm for general matchgate evolution	Adrian Chapman and Akimasa Miyake
2	Conditional mutual information and quantum steering	Eneet Kaur, Xiaoting Wang and Mark M. Wilde
3	On the Hierarchy for k-Round Quantum Automata Communication Protocol	Kamil Khadiev and Aliya Khadieva
4	Skew information conversion to and extraction from local quantum uncertainty	Liang Qiu, Yu Guo and Barry Sanders

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11	Effects of measurement dependence on generalized CHSH-Bell test in the single-run and multiple-run scenarios	Dan-Dan Li, Yu-Qian Zhou, Fei Gao, Xin-Hui Li and Qiao-Yan Wen
12	Quantum-Entangled Interactions Under Unknown Circumstances	Dmitry Kravchenko
13	Entanglement from Topology in Chern-Simons Theory	Grant Salton, Michael Walter and Brian Swingle
14	Classification of locally distinguishable and indistinguishable sets of generalized Bell states	Guojing Tian

15	Graph-Associated Entanglement Cost of Multipartite State in Exact and Finite-Block-Length Approximate Construction	Hayata Yamasaki, Akihito Soeda and Mio Murao
16	Quantum resource theory of non-stabilizer states in the one-shot regime	Hoan Dang, Mehdi Ahmadi, Gilad Gour and Barry Sanders
17	Capacity of a quantum memory channel correlated by matrix product states	Jaideep Mulherkar and V Sunitha
18	Bipartite entanglement under symmetry	Mark Girard and Gilad Gour
19	Pancharatnam Phase Deficit can Detect Macroscopic Entanglement	Namrata Shukla and Arun K Pati

20	Single-photon quantum non-locality: violation of CHSH inequality using feasible measurement setups	Su-Yong Lee, Jiyong Park, Jaewan Kim and Changsuk Noh
21	Optimal distillation protocols for GHZ NLB	Talha Lateef
22	Asymptotic Convertibility of Entanglement: A General Approach to Entanglement Concentration and Dilution	Yong Jiao, Eyuri Wakakuwa and Tomohiro Ogawa
23	Geometric approach to entanglement quantification with polynomial measures	Bartosz Regula and Gerardo Adesso
24	Constructing Mutually Unbiased Bases from Quantum Latin Squares	Benjamin Musto

25	Quantum processes which do not use coherence	Benjamin Yadin, Jiajun Ma, Davide Girolami, Mile Gu and Vlatko Vedral
26	Should entanglement measures be monogamous or faithful?	Cécilia Lancien, Marco Piani, Andreas Winter, Sara Di Martino, Gerardo Adesso and Marcus Huber
27	Adiabatic quantum computation and Grover search applied to higher-order quantum operations	Shojun Nakayama, Akihito Soeda and Mio Murao
28	Conditional Mutual Information of Bipartite Unitaries and Scrambling	Dawei Ding, Michael Walter and Patrick Hayden
29	Compression of identically prepared quantum systems	Yuxiang Yang, Giulio Chiribella, and Masahito Hayashi

30	Refinement and Properties of the Sphere-Packing Bound for Classical-Quantum Channels	Hao-Chung Cheng, Min-Hsiu Hsieh and Marco Tomamichel
31	Clean quantum and classical communication protocols	Harry Buhrman, Matthias Christandl, Chris Perry and Jeroen Zuiddam
32	Entanglement-assisted capacities of compound quantum channels	Hrant Gharibyan, Mario Berta and Michael Walter
33	The Clifford group fails gracefully to be a unitary 4-design (with applications to state distinguishability, entropic uncertainties, and phase retrieval)	Huangjun Zhu, Richard Kueng, Markus Grassl and David Gross
34	RANDOM QUANTUM CORRELATIONS ARE GENERICALLY NON-CLASSICAL	Carlos Gonzalez-Guillen, Cécilia Lancien, Carlos Palazuelos and Ignacio Villanueva

35	A sufficient set of gates for thermodynamics	Chris Perry, Piotr Cwiklinski, Janet Anders, Michal Horodecki and Jonathan Oppenheim
36	Fundamental energy cost for quantum measurement	David Reeb, Kais Abdelkhalek and Yoshifumi Nakata
37	Size-Driven Quantum Phase Transitions	Johannes Bausch, Toby Cubitt, Angelo Lucia, David Perez-Garcia and Michael M. Wolf
38	Thermal Operations under Partial Information - An operational derivation of Jaynes Principle	Paul Boes, Rodrigo Gallego, Henrik Wilming and Jens Eisert
39	Thermalization and Return to Equilibrium on Finite Quantum Lattice Systems	Terry Farrelly, Fernando Brandao and Marcus Cramer

40	On SZK and PostBQP	Adam Bouland, Lijie Chen, Dhiraj Holden, Justin Thaler and Prashant Nalini Vasudevan
41	Pointer Quantum PCPs and Multi-Prover Games	Alex Bredariol Grilo, Iordanis Kerenidis and Attila Pereszlenyi
42	The weakness of CTC qubits and the power of approximate counting	Ryan ODonnell and A.C. Cem Say
43	Measurement-based linear optics	Rafael Alexander, Natasha Gabay, Peter Rohde and Nicolas Menicucci
44	Two Topos Interpretations for Measurement Based Quantum Computations	Raouf Dridi and Leon Loveridge

45	Can one quantum bit separate any pair of words with zero-error?	Aleksandrs Belovs, Juan Andres Montoya and Abuzer Yakaryilmaz
46	Some algorithmic applications of exceptional configurations in quantum walks	Alexander Rivosh, Nikolajs Nahimovs and Dmitry Kravchenko
47	Quantum algorithms for Gibbs sampling and hitting-time estimation	Anirban Narayan Chowdhury and Rolando Somma
48	Minimal control power of the controlled dense coding	Changhun Oh, Hoyong Kim, Kabgyun Jeong and Hyunseok Jeong
49	Quantum Algorithm for Linear Differential Equations with Exponentially Improved Dependence on Precision	Dominic Berry, Andrew Childs, Aaron Ostrander and Guoming Wang

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51	Exact controllization of unitary operation with fractional queries	Qingxiuxiong Dong, Shojun Nakayama, Akihito Soeda and Mio Murao
52	Parameterized Query Complexity in Quantum Computation	Robert Benkoczi, Saurya Das, Daya Gaur, Shahadat Hossain and Parijat Purohit
53	Time and Space Efficient Quantum Algorithms for Detecting Cycles and Testing Bipartiteness	Christopher Cade, Ashley Montanaro and Aleksandrs Belovs
54	No fixed point guarantee of Nash equilibrium in quantum games	Faisal Shah Khan and Travis Humble

55	Commutator bounds for product formulas	Andrew Childs, Dmitri Maslov, Neil Ross and Yuan Su
56	Simulating classical waves in quantum logspace	Stephen Jordan and Pedro Costa
57	Divide and Conquer Approach for Quantum Hamiltonian Simulation	Stuart Hadfield and Anargyros Papageorgiou
58	Operator Locality in Quantum Simulation of Fermionic Models	Vojtech Havlicek, Matthias Troyer and James Whitfield
59	Efficient simulation of sparse Markovian quantum dynamics	Andrew Childs and Tongyang Li

60	Simulating large quantum circuits on a small quantum computer	Aram W. Harrow, Maris Ozols, Tianyi Peng and Xiaodi Wu
61	The Landscape of Quantum Artificial Intelligence Research	Omar Shehab
62	Quantum Laplacian Eigenmap	Yiming Huang and Xiaoyu Li
63	QInfer: Statistical inference software for quantum applications	Christopher Granade, Chris Ferrie, Ian Hincks, Steven Casagrande, Thomas Alexander, Jonathan Gross, Michal Kononeko and Yuval Sanders
64	Discrimination of correlated and entangling quantum channels with selective process tomography	Eugene Dumitrescu and Travis Humble

65	Optimal discrimination of pure states in the single-qubit regime	Graeme Weir, Stephen Barnett and Sarah Croke
66	Randomized benchmarking in measurement-based quantum computing	Rafael Alexander, Peter Turner and Stephen Bartlett
67	Practical quantum metrology in noisy environments	Rosanna Nichols, Thomas Bromley, Luis Correa and Gerardo Adesso
68	How to Determine the Quantum Fisher Information from Linear Response Theory	Tomohiro Shitara and Masahito Ueda
69	Quantum Digital-to-Analog Converters	Dave Chapman

70	Efficient Optimized Quantum Control for Adiabatic Quantum Computation	Gregory Quiroz
71	Discrepancies between Asymptotic and Exact Spectral Gap Analyses of Quantum Adiabatic Barrier Tunneling	Lucas Brady and Wim Van Dam
72	Hamiltonian Computation	Nicholas Chancellor, James G. Morley, Sougato Bose, Andrew Daley and Viv Kendon
73	Reducing runtimes in adiabatic quantum computation with Energy Landscape Manipulation (ELM)	Richard Tanburn, Oliver Lunt and Nike Dattani
74	Cooling-Assist adiabatic computation	Roger Luo, Chao Xu, Yongjian Han and Chuanfeng Li

75	Unity-Efficiency Parametric Down-Conversion via Amplitude Amplification and its Application in GHZ State Preparation	Murphy Yuezhen Niu, Jeffrey H. Shapiro, Barry Sanders and Franco Wong
76	Quantum input-output algorithm for quantum systems with limited controllability	Ryosuke Sakai, Akihito Soeda and Mio Murao
77	Optimal control for time-dependent quantum metrology	Shengshi Pang and Andrew Jordan
78	Valley qubits in graphene for quantum computing and communications	Yu-Shu Wu, Ning-Yuan Lue, Ming-Jay Yang and Neil Na
79	QUANTUM CIRCUITS SYNTHESIS USING LATTICES OVER NUMBER FIELDS	Sebastian Schoennenbeck and Vadym Kliuchnikov

80	Universal Refocusing and an Inverse-Free Solovay-Kitaev Theorem	Imdad Sardharwalla, Toby Cubitt, Aram Harrow and Noah Linden
81	Efficient implementation of Quantum circuits with limited qubit interactions	Steve Brierley
82	Optimal Circuit-Level Decoding for Surface Codes	Bettina Heim, Krysta M. Svore and Matthew B. Hastings
83	Coherent Parity Check Construction for Quantum Error Correction	Dominic Horsman, Nicholas Chancellor, Stefan Zohren and Aleks Kissinger
84	Hamiltonian Realizations of New Topological Phases of Matter in Three Spatial Dimensions	Dominic Williamson and Zhenghan Wang

85	High-Rate Fault-Tolerant Quantum Measurement and Nearly Good Sparse Quantum Codes	Jonathan Shi
86	Topological Order and Memory Time in Marginally Self-Correcting Quantum Memory	Karthik Siva and Beni Yoshida
87	A linear-time benchmarking tool for generalized surface codes	Nicolas Delfosse, Pavithran Iyer and David Poulin
88	Generalized surface codes and packing of logical qubits	Nicolas Delfosse, Pavithran Iyer and David Poulin
89	Local Decoders in the 4D Toric Code	Nikolas Breuckmann, Barbara Terhal, Kasper Duivenvoorden and Dominik Michels

90	Quantum Error Correction of Reference Frame Information	Sepehr Nezami, Patrick Hayden and Grant Salton
91	Limits on the storage of quantum information in a volume of space	Steven Flammia, Jeongwan Haah, Michael Kastoryano and Isaac Kim
92	Entangled Cloning of Stabilizer Codes and Free Fermions	Timothy Hsieh
93	Robust Relativistic Bit Commitment	Kaushik Chakraborty, André Chailloux and Anthony Leverrier
94	Quantum key distribution for composite dimensional finite systems	Mohamed Shalaby

95	Software-defined Quantum Network Switching	Ronald Sadlier, Brian Williams, Travis Humble and Venkateswara Dasari
96	Scaling of Interferometric Baselines of Telescopic Arrays with Quantum Repeater Generations.	Siddhartha Santra, Brian Kirby, Alejandra Maldonado-Trapp and Michael Brodsky
97	Information Reconciliation for QKD in WDM-PON Access Networks	Suhwang Jeong and Jeongseok Ha
98	One-sided Measurement-Device-Independent Quantum Key Distribution	Wen-Fei Cao, Yi-Zheng Zhen, Yu-Lin Zheng, Valerio Scarani, Li Li, Zeng-Bing Chen, Nai-Le Liu, Kai Chen and Jian-Wei Pan
99	Spacetime Replication of Quantum Information Using (2,3) Quantum Secret Sharing and Teleportation	Yadong Wu, Abdullah Khalid, Masoud Habibi and Barry Sanders

100	More randomness certification for any entangled two-qubit states underdevice-independent	Yu-Kun Wang, Su-Juan Qin and Fei Gao
101	Relativistic (or 2-prover 1-round) zero-knowledge protocol for NP secure against quantum adversaries	André Chailloux and Anthony Leverrier
102	Certified randomness is both local and global	Carl Miller and Yaoyun Shi
103	Quantum hashing is secure against classical leakage	Cupjin Huang and Yaoyun Shi
104	Shortcuts to quantum network routing	Eddie Schoute, Laura Mancinska, Tanvirul Islam, Iordanis Kerenidis and Stephanie Wehner

105	Quantum Secret Broadcast for Wireless Quantum Networks	Gang Du, Tao Shang, Ke Li and Jianwei Liu
106	Completely Positive Semidefinite Rank	Anupam Prakash, Jamie Sikora, Antonios Varvitsiotis and Zhaohui Wei
107	Pseudo-Density Matrix Formulation of Quantum Field Theory	Tian Zhang and Vlatko Vedral
108	Chaos and complexity by design	Dan Roberts and Beni Yoshida
109	Do objective results typically appear in quantum measurements?	Piotr Cwiklinski, Jaroslaw Korbicz, Edgar Aguilar and Pawel Horodecki

110	Resource reflecting functor and its application to non-uniformity	Robin Cockett, Gilad Gour, Barry C. Sanders and Priyaa Varshinee Srinivasan
111	Continuous-variable quantum network coding using coherent states	Ke Li, Tao Shang, Gang Du and Jianwei Liu
112	Robust Bell inequalities from communication complexity	Sophie Laplante, Mathieu Laurière, Alexandre Nolin, Jérémie Roland and Gabriel Senno