

## List of Posters Accepted at the QCrypt 2019 Conference

Please note that *most* odd-numbered posters will be presented at the Monday afternoon poster session whereas *most* even-numbered posters will be presented at the Wednesday afternoon poster session. Exceptions, which can be updated at any time, are mentioned in **red** below.

**Warning:** The poster numbers below, which determine on which day you will present your work, are *different* from the submission numbers that were assigned by EasyChair.

Posters will be presented on posterboards that are 121.92 cm in height and 182.88 cm in width. There will be a single poster on each side of each posterboard.

1. *Xiang-Bin Wang.*  
Two protocols in Twin-Field QKD.
2. *Tao Shang, Ranyiliu Chen and Jianwei Liu.*  
On the obfuscatibility of quantum point functions.
3. *Toyohiro Tsurumaru.*  
Leftover hashing from quantum error correction: Unifying the two approaches to the security proof of quantum key distribution.
4. *Xue-Bi An.*  
Practical quantum digital signature with a gigahertz BB84 quantum key distribution system.
5. *Roman Shakhovoy, Violetta Sharoglazova, Alexandr Udaltsov, Vladimir Kurochkin and Yury Kurochkin.*  
Attack-resistant quantum random number generator based on the interference of laser pulses with random phase.
6. *Yuanguanjie Fan, Chao Wang, Shuang Wang, Zhen-Qiang Yin, He Liu, Wei Chen, De-Yong He, Zheng-Fu Han and Guangcan Guo.*  
Afterpulse Analysis for Quantum Key Distribution.
7. *Shihan Sajeed, Vadim Makarov, Nigar Sultana and Charles Ci Wen Lim.*  
An optimal local model to practically emulate Bell inequalities.  
**Will be presented on Wednesday.**
8. *Peter Brown, Sammy Ragy and Roger Colbeck.*  
An adaptive framework for quantum-secure device-independent randomness expansion.
9. *Chrysoula Vlachou, Walter Krawec, Paulo Mateus, Nikola Paunkovic and Andre Souto.*  
Quantum Walks and Quantum Key Distribution. **Will be presented on Wednesday.**

10. *Yangfan Jiang, Kejin Wei, Liang Huang, Ke Xu, Qichao Sun, Yuzhe Zhang, Weijun Zhang, Hao Li, Lixing You, Zhen Wang, Hoi-Kwong Lo, Feihu Xu, Qiang Zhang and Jianwei Pan.*  
Remote blind state preparation with weak coherent pulses in field.
11. *Dorian Oser, Florent Mazeas, Carlos Alonso Ramos, Xavier Le Roux, Laurent Vivien, Sébastien Tanzilli, Éric Cassan and Laurent Labonté.*  
On-chip near-perfect quality entanglement for multi-user quantum key distribution.
12. *Ernest Y.-Z. Tan, Charles C.-W. Lim and Renato Renner.*  
Advantage distillation for device-independent quantum key distribution.
13. *Hoi-Kwong Lo and Marcos Curty.*  
Quantum key distribution secure against malicious optical devices and classical post-processing units.
14. *Yuki Takeuchi, Atul Mantri, Tomoyuki Morimae, Akihiro Mizutani and Joseph Fitzsimons.*  
Resource-efficient verification of quantum computing using Serfling's bound.
15. *Akihiro Mizutani, Toshihiko Sasaki, Yuki Takeuchi, Kiyoshi Tamaki and Masato Koashi.*  
Quantum key distribution with simply characterized light sources.
16. *Walter Krawec.*  
Quantum Sampling and Entropic Uncertainty, with Applications.
17. *Andrey Zhilyaev, Anastasiia Nikolaeva, Mikhail Borodin and Vladimir Sergeev.*  
Multilayer Structure of a Scalable Quantum Key Distribution (QKD) Network.
18. *Daniel Martínez, Armin Tavakoli, Mauricio Casanova, Gustavo Cañas, Breno Marques and Gustavo Lima.*  
High-Dimensional Quantum Communication Complexity beyond Strategies Based on Bell's Theorem.
19. *Spyros Tserkis, Nadasadat Hosseinidehaj, Nathan Walk and Timothy C. Ralph.*  
Optimal collective CV-QKD attack through all-optical teleportation.
20. *Rikizo Ikuta, Yasushi Hasegawa, Nobuyuki Matsuda, Kiyoshi Tamaki, Hoi-Kwong Lo, Takashi Yamamoto, Koji Azuma and Nobuyuki Imoto.*  
Experimental time-reversed adaptive Bell measurement towards all-photon quantum repeaters.
21. *Yichen Zhang, Ziyang Chen, Bingjie Chu, Chao Zhou, Xiangyu Wang, Yijia Zhao, Yifan Xu, Chao Xu, Hongjie Wang, Ziyong Zheng, Yundi Huang, Chunchao Xu, Xiaoxiong Zhang, Tao Shen, Ge Huang, Yunwu Zheng, Zhaoxuan Fei, Weinan Huang, Menglin Zhu, Luyu Huang, Bin Luo, Song Yu and Hong Guo.*  
Continuous-variable QKD network in Qingdao.
22. *Joonwoo Bae.*  
Secure Quantum Communication by Preserving an Optimal Measurement.
23. *Victoria Lipinska, Glaucia Murta and Stephanie Wehner.*  
Verifiable Hybrid Secret Sharing: Reducing Quantum Resources.

24. *Karol Horodecki and Maciej Stankiewicz.*  
Semi-Device Independent Quantum Money.
25. *Li Liu, Yukun Wang, Charles Ci Wen Lim, Emilien Lavie, Arno Ricou, Chao Wang and Fenzhuo Guo.*  
Practical quantum key distribution with non-phase-randomized coherent states.
26. *Mikolaj Lasota, Karolina Sedziak-Kacprowicz and Piotr Kolenderski.*  
General optimization of SPDC sources for quantum communication applications.
27. *Daan Leermakers and Boris Škorič.*  
Qubit-based Quantum Key Recycling over a noisy channel.
28. *Shashank Ranu, Anil Prabhakar and Prabha Mandayam.*  
Finite-key analysis for differential phase encoded measurement-device-independent quantum key distribution.
30. *Frédéric Bouchard, Khabat Heshami, Alicia Sit, Felix Hufnagel, Robert Fickler, Duncan England and Ebrahim Karimi.*  
New protocols in high-dimensional quantum key distribution with twisted photons.
31. *David Reichmuth.*  
Coherent State Oblivious Transfer using Homodyne Detection.
32. *Shihan Sajeed, Poompong Chaiwongkhot, Anqi Huang, Vadim Makarov, Hao Qin, Vladimir Egorov, Artur Gleim, Anton Kozubov, Andrei Gaidash, Vladimir Chistiakov and Artur Vasiliev.*  
An approach for security evaluation and certification of a complete quantum communication system. **Will be presented on Monday.**
33. *Eneet Kaur, Saikat Guha and Mark M. Wilde.*  
Asymptotic security of discrete-modulation protocols for continuous-variable quantum key distribution.
34. *Gilles Brassard, Norbert Lütkenhaus, Louis Salvail and Sara Zafar Jafarzadeh.*  
The Art of Post-truth in Quantum Cryptography.
35. *Sebastian Ecker, Bo Liu, Matthias Fink, Johannes Handsteiner, Dominik Rauch, Fabian Steinlechner, Thomas Scheidl, Anton Zeilinger and Rupert Ursin.*  
Achieving high key rates in satellite-based QKD.
36. *Evgeny Kiktenko, Aleksei Malyshev, Maxim Gavreev, Anton Bozhedarov, Nikolai Pozhar, Maxim Anufriyev and Aleksey Fedorov.*  
Ping-pong authentication protocol for quantum key distribution.
37. *Ömer Bayraktar, Peter Freiwang, Daniel Garbe, Matthias Grunefeld, Roland Haber, Lukas Knips, Christoph Marquardt, Leonhard Mayr, Florian Moll, Jonas Pudelko, Benjamin Rödigier, Wenjamin Rosenfeld, Klaus Schilling, Christopher Schmidt and Harald Weinfurter.*  
Quantum Key Distribution with Small Satellites.

38. *Adrian Kent.*  
S-money: virtual tokens for a relativistic economy.
39. *Wenyuan Wang and Hoi-Kwong Lo.*  
Machine Learning for Optimal Parameter Prediction in Quantum Key Distribution.
40. *Jeremy Ribeiro and Stephanie Wehner.*  
Oblivious-Transfer is harder than Bit-Commitment in realistic Measurement-Device Independent settings.
41. *Anupama Unnikrishnan, Ian MacFarlane, Richard Yi, Eleni Diamanti, Damian Markham and Iordanis Kerenidis.*  
Anonymity for practical quantum networks.
42. *Damian Pitalua Garcia.*  
One-out-of- $m$  spacetime-constrained oblivious transfer.
44. *Damian Pitalua Garcia and Adrian Kent.*  
Practical quantum tokens without quantum memories.
45. *Alexandru Cojocaru, Leo Colisson, Elham Kashefi and Petros Wallden.*  
QFactory: classically-instructed remote secret qubits preparation.
46. *Alicia Sit, Frédéric Bouchard, Robert Fickler, Khabat Heshami, Christoph Marquardt, Gerd Leuchs, Robert W. Boyd and Ebrahim Karimi.*  
Urban free-space quantum cryptography with structured photons.
47. *Wenyuan Wang, Feihu Xu and Hoi-Kwong Lo.*  
Prefixed-threshold Real-Time Selection for Free-Space Measurement-Device-Independent Quantum Key Distribution.
48. *Felix Hufnagel, Frédéric Bouchard, Alicia Sit, Florence Grenapin, Khabat Heshami, Duncan England, Yingwen Zhang, Gerd Leuchs and Ebrahim Karimi.*  
Underwater Quantum Communication with Twisted Photons.
49. *Kaushik Seshadreesan, Hari Krovi and Saikat Guha.*  
A continuous variable quantum repeater based on entanglement distillation with quantum scissors.
50. *Sima Bahrani, Masoud Ghalaii, Carlo Liorni, Alexander Ling, Charles Lim, Rupesh Kumar, Timothy Spiller, Stefano Pirandola, Bruno Huttner, Norbert Lutkenhaus and Mohsen Razavi.*  
Satellite quantum key distribution under restricted eavesdropping scenarios.
51. *Zhihao Wu, Anqi Huang, Huan Chen, Shi-Hai Sun, Jiangfang Ding, Xiaogang Qiang, Ping Xu, Xiang Fu, Mingtang Deng and Junjie Wu.*  
Hacking single-photon detector in quantum key distribution via pulse illumination.
53. *Guillermo Currás Lorenzo, Marcos Curty, Koji Azuma and Mohsen Razavi.*  
Finite-key security analysis of a simple twin-field quantum key distribution protocol.

54. *Hong-Xin Ma, Peng Huang, Dong-Yun Bai, Tao Wang, Shi-Yu Wang, Wan-Su Bao and Gui-Hua Zeng.*  
Discrete-modulated continuous-variable measurement-device-independent quantum key distribution.
55. *Yury Kurochkin, Vadim Rodimin, Vladimir Kurochkin, Mikhail Ponomarev, Tatiana Kazieva and Aleksey Fedorov.*  
Modular QKD setup for research and development applications.
56. *Joseph Chapman, Charles Ci Wen Lim and Paul Kwiat.*  
Hyperentangled Time-bin and Polarization Quantum Key Distribution.
57. *Andrew Conrad, Kyle Herndon, Brian Wilens, Samantha Isaac, Alex Hill, Daniel Sanchez-Rosales, Daniel Gauthier and Paul Kwiat.*  
Drone-Based Quantum Key Distribution (QKD).
58. *Huajian Ding, Jing-Yang Liu, Chun-Mei Zhang and Qin Wang.*  
Predicting Optimal Parameters using Random Forest for Quantum Key Distribution.
59. *Laszlo Gyongyosi.*  
Secret Key Reconciliation for Long-Distance Quantum Key Distribution with Discrete and Continuous Variables.
60. *Shiyu Wang, Peng Huang, Tao Wang, Hongxin Ma, Dengwen Li and Guihua Zeng.*  
Feasibility of All-day Quantum Communication with Coherent Detection.
61. *Tao Wang, Peng Huang, Shiyu Wang, Hongxin Ma, Dengwen Li and Guihua Zeng.*  
Polarization-state tracking in continuous-variable quantum key distribution.
62. *Dengwen Li, Peng Huang, Tao Wang, Shiyu Wang, Rui Chen and Zeng Guihua.*  
High Accuracy Phase Compensation Scheme in Continuous-Variable Quantum Key Distribution.
63. *Yi Zheng, Peng Huang, Anqi Huang, Jinye Peng, Zhengwen Cao and Guihua Zeng.*  
The reduced optical attenuation opens a loophole for Eve in practical continuous-variable quantum key distribution systems.
64. *Geng Chai, Zhengwen Cao, Peng Huang and Guihua Zeng.*  
Atmospheric continuous-variable quantum key distribution based on adaptive optics.
65. *Margarida Pereira, Marcos Curty and Kiyoshi Tamaki.*  
Finite-key security analysis of quantum key distribution with flawed and leaky sources.
66. *Alexander Duplinskiy, Oleg Fat'yanov, Igor Pavlov, Aleksey Fedorov, Vladimir Kurochkin and Yury Kurochkin.*  
Switch-based quantum network for the cost reduction of QKD.
67. *Victor Zapatero and Marcos Curty.*  
Secure quantum key distribution with dishonest devices.

68. *Qin Liao, Hai Zhong and Ying Guo.*  
Machine learning continuous-variable quantum key distribution.
69. *Róbert Trényi, Koji Azuma and Marcos Curty.*  
Beating the repeaterless bound with adaptive measurement-device-independent quantum key distribution.
70. *Ming-Han Li, Cheng Wu, Yanbao Zhang, Wen-Zhao Liu, Bing Bai, Yang Liu, Weijun Zhang, Qi Zhao, Hao Li, Zhen Wang, Lixing You, W.J. Munro, Juan Yin, Jun Zhang, Cheng-Zhi Peng, Xiongfeng Ma, Qiang Zhang, Jingyun Fan and Jian-Wei Pan.*  
Test of Local Realism into the Past without Detection and Locality Loopholes.
71. *Yongmin Li, Ning Wang, Shanna Du, Wenyuan Liu, Xuyang Wang and Kunchi Peng.*  
Long-Distance Continuous-Variable Quantum Key Distribution with Entangled States.
72. *Cao Zhengwen and Liang Kexin.*  
Influence of the Imperfect Faraday Mirror on the Continuous Variable Quantum Key Distribution System.
73. *Ken-Ichiro Yoshino.*  
Development of post-processing board for efficiently biased random bits.
74. *Federico Grasselli, Álvaro Navarrete, Marcos Curty, Hermann Kampermann and Dagmar Bruß.*  
Bipartite and multipartite QKD via single-photon interference.
75. *Poompong Chaiwongkhot, Anqi Huang, Jiaqiang Zhong, Hao Qin, Sheng-Cai Shi and Vadim Makarov.*  
Faking photon number on transition-edge sensor.
76. *Hamid Tebyanian, Marco Avesani, Giuseppe Vallone and Paolo Villoresi.*  
POVM based quantum random number generator.
77. *Ririka Takahashi, Yoshimichi Tanizawa and Alexander Dixon.*  
Practical Implementation of Privacy Amplification in Quantum Key Distribution.
78. *Carlo Liorni, Hermann Kampermann and Dagmar Bruß.*  
Satellite-based links for Quantum Key Distribution: beam effects and weather dependence.
79. *Ashot Avanesov and Dmitry Kronberg.*  
Pseudorandom basis choice in quantum cryptography on symmetric coherent states.
80. *Davide Bacco, Ilaria Vagniluca, Beatrice Da Lio, Nicola Biagi, Adriano Della Frera, Davide Calonico, Costanza Toninelli, Francesco Saverio Cataliotti, Marco Bellini, Leif Katsuo Oxenløwe and Alessandro Zavatta.*  
Field trial of a finite-key quantum key distribution system in the Florence metropolitan area.
81. *Jie Lin, Twesh Upadhyaya and Norbert Lütkenhaus.*  
Asymptotic security analysis of discrete-modulated continuous-variable quantum key distribution.

82. *Ian George and Norbert Lutkenhaus.*  
Numerical Calculations of Finite Key Rate for General QKD Protocols.
83. *Min-Sung Kang, Yeon-Ho Choi, Yong-Su Kim, Young-Wook Cho, Sang Wook Han and Sung Moon.*  
Quantum Random Oracle Model based on Remote State Preparation.
84. *Yichen Zhang, Yundi Huang, Zhengyu Li, Bingjie Xu, Song Yu and Hong Guo.*  
An improved shot-noise unit calibration method for continuous-variable quantum key distribution.
85. *Chao Zhou, Xiangyu Wang, Yichen Zhang, Zhiguo Zhang, Song Yu and Hong Guo.*  
High-efficiency reconciliation protocol for continuous-variable quantum key distribution under wide SNR range.
86. *Huaxing Xu, Shaohua Wang, Yang Huang, Yaqi Song and Changlei Wang.*  
Quantum Key Distribution System Immune to Polarization-Induced Signal Fading with Quarter-Wave Plate Reflector-Michelson Interferometers.
87. *Xavier Coiteux-Roy, Bart van der Vecht and Stefan Wolf.*  
Provably Private Storage.
88. *Xing Chen, Ilja Gerhardt, Jörg Wrachtrup, Robert Garthoff, Kai Redeker and Wenjamin Rosenfeld.*  
True randomness certified from loop-hole free Bell test.
89. *Giulio Gianfelici, Hermann Kampermann and Dagmar Bruß.*  
A theoretical framework for PUFs and QR-PUFs.
90. *Takaya Matsuura, Toshihiko Sasaki and Masato Koashi.*  
Security of the round-robin differential phase shift protocol with a non-i.i.d. source and an imperfect passive phase modulation.
91. *Anton Kozubov, Andrei Gaidash and George Miroshnichenko.*  
Quantum control attack on quantum key distribution systems.
92. *Anton Kozubov, Andrei Gaidash and George Miroshnichenko.*  
Quantum model of decoherence in polarization domain for the fiber channel.
93. *Sarnava Datta, Timo Holz, Hermann Kampermann and Dagmar Bruß.*  
Device-independent secret key rate from optimized Bell inequality violation.
94. *Nilesh Vyas and Romain Alléaume.*  
Key distribution in Quantum Computational Hybrid (QCH) security model with performance beyond QKD.
95. *Hannah Thiel.*  
Bragg-Reflection Waveguides as Photon Pair Sources for Polymer Photonic Circuits.
97. *Fabian Laudenbach and Christoph Pacher.*  
Trusted Devices in Continuous-Variable Quantum Key Distribution.

98. *Anthony Vaquero-Stainer, Christopher Chunnillall, Alastair Sinclair, Catherine White, Joseph Pearce, Adrian Wonfor, Andrew Lord and Timothy Spiller.*  
Measurements towards providing security assurance of the UKQNTel QKD link.
99. *Andrei Gaidash, Anton Kozubov and George Miroshnichenko.*  
Unambiguous state discrimination of phase-coded multi-mode weak coherent states.
100. *Andrei Gaidash, Anton Kozubov and George Miroshnichenko.*  
Quantum model of decoherence for coherent states in the fiber optical channels.
101. *Fadri Grünenfelder, Alberto Boaron, Davide Rusca, Anthony Martin and Hugo Zbinden.*  
Implementation of a polarization-based BB84 protocol at 5 GHz repetition rate.
102. *Ashutosh Marwah and Norbert Lutkenhaus.*  
Characterization of Gram matrices of multimode coherent states.
103. *Konstantin Kravtsov and Sergei Molotkov.*  
Practical Quantum Key Distribution with Geometrically Uniform States.
104. *Minjin Choi and Soojoon Lee.*  
Quantum key repeater based quantum networks for secret sharing.
105. *Kunlin Zhou, Ying Guo and Liao Qin.*  
Improvement of unidimensional continuous-variable quantum key distribution by using heralded hybrid amplifier.
106. *Antia Lamas-Linares, Tom Vergoossen, Robert Bedington, Sergio Loarte, Hans Kuiper and Alexander Ling.*  
LEO trusted node constellations for global QKD.
107. *Costantino Agnesi, Marco Avesani, Andrea Stanco, Paolo Villoresi and Giuseppe Vallone.*  
POGNAC: an all-fiber self-compensating polarization modulator for QKD.
108. *Emilien Lavie.*  
Discrete-continuous variable quantum key distribution with untrusted homodyne measurement.
109. *Hossein Mani, Tobias Gehring, Christoph Pacher and Ulrik Lund Andersen.*  
Algorithmic Approach to Design Highly Efficient MET-LDPC Codes with Cascade Structure.
110. *Shengjun Ren, Shuai Yang, Adrian Wonfor, Richard Penty and Ian White.*  
Sensitivity analysis of Local-Local Oscillator CV-QKD by reference pulse modulation voltage fluctuation.
111. *Ayan Biswas, Anindya Banerji, Nijil Lal C.K. and Ravindra P. Singh.*  
Coincidence Detection Quantum Key Distribution Protocol.
112. *Bo Li, Yu-Huai Li, Yuan Cao, Juan Yin, Cheng-Zhi Peng and Jian-Wei Pan.*  
Hong-Ou-Mandel interference between heralded pulsed photon sources with PPKTP crystal at NIR wavelength.



113. *Sophie Albosh.*  
Developing Characterisation Measurements for Quantum Key Distribution.
114. *Robert Kirkwood Starkwood, Ke Guo, Christopher Chunnillall, Alastair Sinclair, Taofiq Paraiso, Thomas Roger, Mirko Sanzaro, Innocenzo De Marco, Zhiliang Yuan and Andrew Shields.*  
Precision metrology of novel components for high bit rate QKD devices.
115. *Yumang Jing, Daniel Leal and Mohsen Razavi.*  
Quantum key distribution over quantum repeaters with repetition codes.
116. *Santiago Gómez López, Alejandro Mattar, Esteban Gómez, Daniel Cavalcanti, Antonio Acín and Gustavo Lima.*  
Experimental nonlocality-based randomness generation with nonprojective measurements.
117. *Don Jean Baptiste Anoman, François Arnault and Simone Naldi.*  
The CHSH inequality for a single qutrit.
118. *Shuang-Lin Li, Yu-Huai Li, Kui-Xing Yang, Yuan Cao, Juan Yin, Cheng-Zhi Peng and Jian-Wei Pan.*  
Free-space Hong-Ou-Mandel interference under atmospheric turbulence.
119. *Gaëtan Gras, Davide Rusca, Hugo Zbinden and Félix Bussières.*  
Bounding the information leakage in quantum hacking using photon statistics.
120. *Joseph Ho, Massimiliano Proietti and Alessandro Fedrizzi.*  
Experimental demonstration of four-party conference key agreement.
121. *Adrien Cavaillès, Hanna Le Jeannic, Jeremy Raskop, Tom Darras, Giovanni Guccione, Damian Markham, Eleni Diamanti and Julien Laurat.*  
Quantum steering using optical hybrid continuous- and discrete-variable entanglement.
122. *Rupesh Kumar and Timothy P. Spiller.*  
Array receiver for continuous variable quantum key distribution.
123. *Alberto Boaron, Davide Rusca, Gianluca Boso, Raphael Houlmann, Fadri Grünenfelder, Cédric Vulliez, Misael Caloz, Matthieu Perrenoud, Gaetan Gras, Claire Autebert, Félix Bussières, Anthony Martin and Hugo Zbinden.*  
Challenges in high-speed quantum key distribution.
124. *Vladyslav Usenko.*  
Generalized framework for security analysis of continuous-variable quantum key distribution.
126. *Anton Losev, Vladimir Zavodilenko and Yuri Kurochkin.*  
Investigation of the dependence of noise characteristics of SPAD on the gate parameters in SWG single-photon detectors.
127. *Peiyu Zhang.*  
Field trials of quantum key distribution over a metropolitan fiber network.

128. *Hou-Man Chin, Nitin Jain, Darko Zibar, Tobias Gehring and Ulrik Andersen.*  
Experimental demonstration of machine learning aided carrier phase recovery for CV-QKD.
129. *J. Eli Bourassa, William Primaatmaja, Emilien Lavie, Koon Tong Goh, Charles Lim and Hoi-Kwong Lo.*  
Semidefinite programming for MDI QKD security analysis employing mixed initial states.
130. *Oliver Maurhart, Christoph Pacher, Stefan Petscharnig and Michael Hentschel.*  
AIT QKD Post Processing and Network Software.
131. *Hannes Hübel, Christoph Pacher, Fabian Laudenbach, Christian Monyk, Martin Stierle and Helmut Leopold.*  
The OPENQKD project – An Open European Quantum Key Distribution Testbed.  
**Will be presented on Wednesday.**
132. *Mujtaba Zahidy, Nigar Sultana, Thomas Jennewein, Alberto Tosi, Fabio Signorelli, Klaus Pasquinelli, Andrea Giudice, Marta Bagatin, Simone Gerardin, Giuseppe Vallone and Paolo Villoresi.*  
Laser Annealing of InGaAs/InP Single Photon Avalanche Detectors with Application in QKD in Space.
133. *Mathieu Bozzio, Eleni Diamanti and Frédéric Grosshans.*  
Semi-device-independent quantum money with coherent states.
134. *Marek Winczewski, Tamoghna Das and Karol Horodecki.*  
Upper bounds on secure key against non-signaling adversary via non-signaling squashed secrecy monotones.
135. *Joseph Pearse, Adrian Wonfor, Arash Bahrami, Gordon Duan, Catherine White, Richard V Penty, Andrew Lord and Timothy Spiller.*  
Building UKQNTel – creating a practical, commercially viable Quantum Network.
136. *Vladimir Chistiakov, Anqi Huang, Vladimir Egorov and Vadim Makarov.*  
Controlling single-photon detector ID210 with bright light.
137. *Yupeng Gong, Rupesh Kumar, Adrian Wonfor, Peter Vasil'Ev, Richard Penty and Ian White.*  
Improvement of continuous variable quantum key distribution system using cascaded parametric amplifier.
138. *Marek Winczewski, Tamoghna Das, Karol Horodecki, Pawel Horodecki, Lukasz Pankowski, Marco Piani and Ravishankar Ramanathan.*  
No purification in all discrete theories and the power of the complete extension.
139. *Showvik Ghorai, Philippe Grangier, Eleni Diamanti and Anthony Leverrier.*  
Asymptotic security of continuous-variable quantum key distribution with a discrete modulation.
140. *Nigar Sultana, Anqi Huang, Vadim Makarov and Thomas Jennewein.*  
Controlling single-photon negative-feedback avalanche diodes using bright illumination.

141. *Ramy Tannous, Zhangdong Ye, Jeongwan Jin, Katanya Kuntz, Norbert Lutkenhaus and Thomas Jennewein.*  
Experimental feasibility of 6-4 State Reference Frame Independent channel for Quantum Key Distribution.
142. *Tobias Gehring, Cosmo Lupo, Arne Kordts, Dino Solar Nikolic, Nitin Jain, Stefano Pirandola, Thomas Brochmann Pedersen and Ulrik Lund Andersen.*  
A quantum random number generator based on vacuum fluctuations with security against quantum side-information.
143. *Youn Seok Lee, Mengyu Xie, Ramy Tannous and Thomas Jennewein.*  
Generation of polarization-entangled photon-pairs in Sagnac interferometer with polarization maintaining fiber.
144. *Mohammad Amin Taherkhani and Keivan Navi.*  
Resource Analysis of Verifiable Quantum Secret Sharing on Quantum Repeater Networks.
145. *Chenyang Li and Hoi-Kwong Lo.*  
A simple security proof for continuous variable quantum Quantum Key distribution with intensity fluctuating source.
146. *G Zhang, W Luo, X Y Wang, L Cao, X Q Zhou, J Zou, K J Wei, F H Xu, Y X Wang, X B Wang, L C Kwek and A Q Liu.*  
An Integrated Photonic Chip for Measurement-Device-Independent Quantum Key Distribution.
147. *Alexander Duplinskiy and Denis Sych.*  
Estimation of side channels in QKD via second-order interference.
148. *Takumi Matsuura, Liang Min, Kazuhisa Ogawa, Atsushi Okamoto and Akihisa Tomita.*  
Numerical analysis of decoy state BBM92 quantum key distribution protocol with multi-photon rejection source.
149. *Davide G. Marangon, Peter Raymond Smith, Marco Lucamarini, Zhiliang Yuan and Andrew Shields.*  
Simple source device independent continuous variable quantum random number generator.