

REFERENCES

- [1] M. Mehic, O. Maurhart, S. Rass, D. Komosny, F. Rezac, dan M. Voznak, Senior Member, IEEE, "Analysis of the Public of Quantum Key Distribution Link," Journal of Quantum Electronics, vol.53, no.5, 9300408, 2017.
- [2] Elliott C, Pearson D, Pikalo O. Current status of the DARPA quantum network. Proc of Spie, 2005, 5815(138-49).
- [3] W. Chen et al., "Field experiment on a 'star type' metropolitan quantum key distribution network," IEEE Photon. Technol. Lett., vol. 21, no. 9, pp. 575–577, May 1, 2009.
- [4] W.-Y. Hwang, "Quantum key distribution with high loss: Toward global secure communication," Phys. Rev. Lett., vol. 91, no. 5, Aug. 2003, Art. no. 057901.
- [5] X.-B. Wang, "Beating the photon-number-splitting attack in practical quantum cryptography," Phys. Rev. Lett., vol. 94, no. 23, Jun. 2005, Art. no. 230503.
- [6] H.-K. Lo, X. Ma, and K. Chen, "Decoy state quantum key distribution," Phys. Rev. Lett., vol. 94, no. 23, Jun. 2005, Art. no. 230504.
- [7] T. Zhang, X.-F. Mo, Z.-F. Han, and G.-C. Guo, "Extensible router for a quantum key distribution network," Phys. Lett. A, vol. 372, no. 22, pp. 3957–3962, May 2008.
- [8] Peev M, Alliaumeer, et al. The SECOQC quantum key distribution network in Vienna. New Journal of Physics, 2009, 11(7):075001.
- [9] Sasaki M, Fujiwara M, Ishizuka H et al. Field test of quantum key distribution in the Tokyo QKD Network. Optics Express, 2011, 19(11): 10387-10409.
- [10] D. Huang, P. Huang, H. Li, T. Wang, Y. Zhou, and G. Zeng, "Field demonstration of a continuous-variable quantum key distribution network," Opt. Lett., vol. 41, no. 15, pp. 3511–3514, Aug. 2016.

- [11] J. F. Dynes et al., "Cambridge quantum network," *NPJ Quantum Inf.*, vol. 5, p. 101, Nov. 2019.
- [12] R. S. Tessinari et al., "Field trial of dynamic DV-QKD networking in the SDN-controlled fully-meshed optical metro network of the Bristol city 5GUK test network," in *Proc. Eur. Conf. Opt. Commun.*, Dublin, Ireland, Sep. 2019, pp. 1–4.
- [13] S. K. Joshi et al., "A trusted node-free eight-user metropolitan quantum communication network," *Sci. Adv.*, vol. 6, no. 36, Sep. 2020, Art. no. eaba0959.
- [14] W. Yu, B. Zhao, and Z. Yan, "Software defined quantum key distribution network," 2017 3rd IEEE International Conference on Computer and Communications (ICCC), Changdu, 2017, pp. 1293-1297.
- [15] M. Li, D. Quan, and C. Zhu, "Stochastic Routing in Quantum Cryptography Communication Network Based On Cognitive Resources," *International Conference on Wireless Communication & Signal Processing*, Yangzhou, 2016.
- [16] H. T. Larasati, "Extended-LLF: Pembangunan Mekanisme Handover Berbasis Least-Loaded First (LLF) di Jaringan Wireless Berbasis SDN," *ITB*, Bandung, 2017.
- [17] D. A. Marendi, "Intent-Based Path Selection untuk Aplikasi Virtual Machine Migration menggunakan Open Network Operating System," *ITB*, Bandung, 2018.
- [18] D. Perepelkin and I. Tsyganov, "SDN Cluster Constructor: Software Toolkit for Structures Segmentation of Software Defined Networks," D. Perepelkin I. Tsyganov, "SDN Clust. Constr. Softw. Toolkit Struct. Segmentation Softw. Defin. Networks," 2019 XVI Int. Symp. "Problems Redundancy Inf. Control Syst. (REDUNDANCY), Moscow, Russ., no. Redundancy, pp. 195–198, 2019.
- [19] L. L. Zulu, K. A. Ogudo, and P. O. Umenne, "Emulating Software Defined Network Using Mininet and OpenDaylight Controller Hosted on Amazon Web Services Cloud Platform to Demonstrate a Realistic Programmable Network .," 2018 Int. Conf. Intell. Innov. Comput. Appl., pp. 1–7, 2018.
- [20] A. Tajima, T. Kondoh, T. Ochi, M. Fujiwara, K. Yoshino, H. Lizuka, T. Sakamoto, A. Tomita, E. Shimamura, S. Asami, dan M. Sasaki, "Quantum Key Distribution

Network For Multiple Application, "Quantum Science and Technology, vol. 2, no. 3, 2017.

- [21] Arora Aman, Singh Manish Pratap, Thakral Prateek, Jarwal Naveen, "Image Steganography Using Enhanced LSB Subsititution Technique", 2016 Fourth International Conference on parallel, Distributed and Grid Coumputing(PDGC), 2016.
- [22] Y. Cao, Y. Zhao, X. Yu, and J. Zhang, "Multi-tenant provisioning over software defined networking enabled metropolitan area quantum key distribution networks," *J. Opt. Soc. Amer. B*, vol. 36, no. 3, pp. B31–B40, Mar. 2019.
- [23] Y. Cao, Y. Zhao, J. Wang, X. Yu, Z. Ma, and J. Zhang, "KaaS: Key as a service over quantum key distribution integrated optical networks," *IEEE Commun. Mag.*, vol. 57, no. 5, pp. 152–159, May 2019.
- [24] Y.-A. Chen et al., "An integrated space-to-ground quantum communication network over 4,600 kilometres," *Nature*, vol. 589, no. 7841, pp. 214–219, Jan. 2021.
- [25] M. Sasaki et al., "Field test of quantum key distribution in the Tokyo QKD network," *Opt. Exp.*, vol. 19, no. 11, pp. 10387–10409, May 2011.
- [26] Y. Cao, Y. Zhao, J. Wang, X. Yu, Z. Ma, and J. Zhang, "SDQaaS: Software defined networking for quantum key distribution as a service," *Opt. Exp.*, vol. 27, no. 5, pp. 6892–6909, Mar. 2019.
- [27] Yao, J.; Wang, Y.; Li, Q.; Mao, H.; El-Latif, A.A.A.; Chen, N. An Efficient Routing Protocol for Quantum Key Distribution Networks. *Entropy* 2022, 24, 911.
- [28] Liu, R.; Rozenman, G.G.; Kundu, N.K.; Chandra, D.; De, D. Towards the Industrialisation of Quantum Key Distribution in Communication Networks: A Short Survey. *IET Quantum Commun.* 2022, 3, 151–163.
- [29] A. Aguado et al., "Quantum-aware software defined networks," in Proc. 6th Int. Conf. Quantum Crypt., Washington, DC, USA, Sep. 2016, p. 1.
- [30] Ignazio Pedone et al., "Quantum Key Distribution in Kubernetes Clusters," in MDPI stays neutral with regard to jurisdictional claims in published maps and institutional affiliations.