

REFERENCES

- [1] T. T. A. Dinh, J. Wang, G. Chen, R. Liu, B. C. Ooi, and K.-L. Tan, "Blockbench: A framework for analyzing private blockchains," in *Proceedings of the 2017 ACM International Conference on Management of Data*, pp. 1085–1100, 2017.
- [2] "[online] Monero." <https://www.getmonero.org/>.
- [3] Y. Wu, "An e-voting system based on blockchain and ring signature," *Master University of Birmingham*, 2017.
- [4] A. D. Dwivedi, G. Srivastava, S. Dhar, and R. Singh, "A decentralized privacy-preserving healthcare blockchain for iot," *Sensors*, vol. 19, no. 2, p. 326, 2019.
- [5] S. Rahmadika and K.-H. Rhee, "Toward privacy-preserving shared storage in untrusted blockchain p2p networks," *Wireless Communications and Mobile Computing*, vol. 2019, 2019.
- [6] M. E. Andres, N. E. Bordenabe, K. Chatzikokolakis, and C. Palamidessi, "Geo-indistinguishability: differential privacy for location-based systems," in *Proceedings of the 2013 ACM SIGSAC conference on Computer and communications security*, pp. 901–914, 2013.
- [7] J. Lee and C. Clifton, "How much is enough? choosing ϵ for differential privacy," in *Proceedings of the 14th International Conference on Information Security, ISC'11*, (Berlin, Heidelberg), p. 325–340, Springer-Verlag, 2011.
- [8] M. E. Andrés, N. E. Bordenabe, K. Chatzikokolakis, and C. Palamidessi, "Geo-indistinguishability: Differential privacy for location-based systems," *arXiv preprint arXiv:1212.1984*, 2012.
- [9] M. Conti, E. S. Kumar, C. Lal, and S. Ruj, "A survey on security and privacy issues of bitcoin," *IEEE Communications Surveys & Tutorials*, vol. 20, no. 4, pp. 3416–3452, 2018.
- [10] M. Möser, K. Soska, E. Heilman, K. Lee, H. Heffan, S. Srivastava, K. Hogan, J. Hennessey, A. Miller, A. Narayanan, et al., "An empirical analysis of traceability in the monero blockchain," *Proceedings on Privacy Enhancing Technologies*, vol. 2018, no. 3, pp. 143–163, 2018.
- [11] J. O. M. Chervinski, D. Kreutz, and J. Yu, "Floodxmr: Low-cost transaction flooding attack with monero's bulletproof protocol," *IACR Cryptology ePrint Archive*, vol. 2019, p. 455, 2019.
- [12] N. Li, T. Li, and S. Venkatasubramanian, "t-closeness: Privacy beyond k-anonymity and l-diversity," in *2007 IEEE 23rd International Conference on Data Engineering*, pp. 106–115, IEEE, 2007.
- [13] A. Machanavajjhala, D. Kifer, J. Gehrke, and M. Venkatasubramanian, "l-diversity: Privacy beyond k-anonymity," *ACM Transactions on Knowledge Discovery from Data (TKDD)*, vol. 1, no. 1, pp. 3–es, 2007.
- [14] L. G. Valiant, "The complexity of enumeration and reliability problems," *SIAM Journal on Computing*, vol. 8, no. 3, pp. 410–421, 1979.
- [15] U. W. Chohan, "The double spending problem and cryptocurrencies," *Available at SSRN 3090174*, 2017.
- [16] T. H. Yuen, S.-f. Sun, J. K. Liu, M. H. Au, M. F. Esgin, Q. Zhang, and D. Gu, "Ringct 3.0 for blockchain confidential transaction: Shorter size and stronger security," in *International Conference on Financial Cryptography and Data Security*, pp. 464–483, Springer, 2020.
- [17] P. Koshy, D. Koshy, and P. McDaniel, "An analysis of anonymity in bitcoin using p2p network traffic," in *International Conference on Financial Cryptography and Data Security*, pp. 469–485, Springer, 2014.
- [18] D. Ron and A. Shamir, "Quantitative analysis of the full bitcoin transaction graph," in *International Conference on Financial Cryptography and Data Security*, pp. 6–24, Springer, 2013.
- [19] E. Androulaki, G. O. Karame, M. Roeschlin, T. Scherer, and S. Capkun, "Evaluating user privacy in bitcoin," in *International Conference on Financial Cryptography and Data Security*, pp. 34–51, Springer, 2013.
- [20] J. Giraldo, A. Cardenas, and M. Kantarcioglu, "Security and privacy trade-offs in cps by leveraging inherent differential privacy," in *2017 IEEE Conference on Control Technology and Applications (CCTA)*, pp. 1313–1318, IEEE, 2017.
- [21] C. Xu, C. Zhang, and J. Xu, "vchain: Enabling verifiable boolean range queries over blockchain databases," in *Proceedings of the 2019 international conference on management of data*, pp. 141–158, 2019.
- [22] W. A. Trybulec, "Pigeon hole principle," *Journal of Formalized Mathematics*, vol. 2, no. 199, p. 0, 1990.
- [23] C. M. Grinstead and J. L. Snell, *Introduction to probability*. American Mathematical Soc., 2012.
- [24] T. Elomaa and J. Kujala, "Covering analysis of the greedy algorithm for partial cover," in *Algorithms and applications*, pp. 102–113, Springer, 2010.
- [25] J. F. Nash et al., "Equilibrium points in n-person games," *PNAS*, vol. 36, no. 1, pp. 48–49, 1950.
- [26] D. Monderer and L. S. Shapley, "Potential games," *Games and economic behavior*, vol. 14, no. 1, pp. 124–143, 1996.
- [27] W. Ni, P. Cheng, L. Chen, and X. Lin, "Task allocation in dependency-aware spatial crowdsourcing," in *2020 IEEE 36th International Conference on Data Engineering (ICDE)*, pp. 985–996, IEEE, 2020.
- [28] N. Armenatzoglou, H. Pham, V. Ntranos, D. Papadias, and C. Shahabi, "Real-time multi-criteria social graph partitioning: A game theoretic approach," in *Proceedings of the 2015 ACM SIGMOD International Conference on Management of Data*, pp. 1617–1628, 2015.
- [29] T. Roughgarden, "Algorithmic game theory," *Communications of the ACM*, vol. 53, no. 7, pp. 78–86, 2010.
- [30] G. Ghinita, P. Karras, P. Kalnis, and N. Mamoulis, "Fast data anonymization with low information loss," in *Proceedings of the 33rd international conference on Very large data bases*, pp. 758–769, 2007.
- [31] "[online] Bytecoin." <https://bytecoin.org/>.
- [32] V.-H. Hoang, E. Lehtihet, and Y. Ghamri-Doudane, "Privacy-preserving blockchain-based data sharing platform for decentralized storage systems," in *2020 IFIP Networking Conference (Networking)*, pp. 280–288, IEEE, 2020.
- [33] K. Fan, S. Wang, Y. Ren, H. Li, and Y. Yang, "Medblock: Efficient and secure medical data sharing via blockchain," *Journal of medical systems*, vol. 42, no. 8, p. 136, 2018.
- [34] "[online] Blockvotes." <http://juliancrespo.com/blockvote.html>.
- [35] J. Bonneau, A. Narayanan, A. Miller, J. Clark, J. A. Kroll, and E. W. Felten, "Mixcoin: Anonymity for bitcoin with accountable mixes," pp. 486–504, 2014.
- [36] E. B. Sasson, A. Chiesa, C. Garman, M. Green, I. Miers, E. Tromer, and M. Virza, "Zerocash: Decentralized anonymous payments from bitcoin," in *2014 IEEE Symposium on Security and Privacy*, pp. 459–474, IEEE, 2014.
- [37] E. Ben-Sasson, A. Chiesa, E. Tromer, and M. Virza, "Succinct non-interactive zero knowledge for a von neumann architecture," in *23rd {USENIX} Security Symposium ({USENIX} Security 14)*, pp. 781–796, 2014.