

Publications by year

The publications listed here are in *reverse chronological order*, grouped by the year of publications with a separate publication counter per year. A total of **72** publications listed here does not include invited talks and patents. The bibliography style in use is L^AT_EX IEEEtran.

2017

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- [2] R. Xu, K. Morozov, **A. Basu**, M. S. Rahman, and S. Kiyomoto, “Security analysis of a verifiable server-aided approximate similarity computation,” in *International Workshop on Security (IWSEC)*. Hiroshima, Japan: Springer, 2017, pp. 159–178.
- [3] **A. Basu**, M. S. Rahman, R. Xu, K. Fukushima, and S. Kiyomoto, “VI-Graph – A Framework for Verifiable Information,” in *Proceedings of the IFIP WG 11.11 International Conference on Trust Management (IFIPTM)*, Göteborg, Sweden, 2017, pp. 12–20.
- [4] S. Kiyomoto, M. S. Rahman, and **A. Basu**, “On blockchain-based anonymized dataset distribution platform,” in *15th International Conference on Software Engineering Research, Management and Applications (SERA)*. London, UK: IEEE, 2017, pp. 85–92.
- [5] **A. Basu**, J. J. Daniel, S. Ruj, M. S. Rahman, T. Dimitrakos, and S. Kiyomoto, “Accountability and integrity for data management using blockchains,” in *Poster at the 21st International Conference on Financial Cryptography and Data Security (FC)*, Malta, 2017.

- [6] M. S. Rahman, **A. Basu**, and S. Kiyomoto, “Broker-mediated trade finance with blockchains,” in *Poster at the 21st International Conference on Financial Cryptography and Data Security (FC)*, Malta, 2017.
- [7] M. S. Rahman, A. Basu, and S. Kiyomoto, “Towards outsourced privacy-preserving multiparty dbscan,” in *22nd Pacific Rim International Symposium on Dependable Computing (PRDC)*. Christchurch, New Zealand: IEEE, 2017, pp. 225–226.
- [8] M. S. Rahman, **A. Basu**, S. Kiyomoto, and M. Z. A. Bhuiyan, “Privacy-friendly secure bidding for smart grid demand-response,” *Information Sciences*, vol. 379, pp. 229–240, 2017.

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- [2] M. S. Rahman, **A. Basu**, and S. Kiyomoto, “Decentralized ciphertext-policy attribute-based encryption from learning with errors over rings,” in *Proceedings of the Trustcom/BigDataSE/ISPA*. Tianjin, China: IEEE, 2016, pp. 1759–1764.
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- [4] T. Mimoto, **A. Basu**, and S. Kiyomoto, “Towards practical k-anonymization: Correlation-based construction of generalization hierarchy,” in *Proceedings of the International Joint Conference on e-Business and Telecommunications (SECRYPT)*, Lisbon, Portugal, 2016, pp. 411–418.
- [5] **A. Basu**, S. Marsh, M. S. Rahman, and S. Kiyomoto, “A model for personalised perception of policies,” in *Proceedings of the IFIP WG 11.11 International Conference on Trust Management (IFIPTM)*, Darmstadt, Germany, 2016, pp. 52–62.

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- [13] J. C. Corena, **A. Basu**, S. Kiyomoto, Y. Miyake, and T. Ohtsuki, “XOR Network Coding Pollution Prevention Without Homomorphic Functions,” in *Proceedings of the IEEE Consumer Communications and Networking Conference*, Las Vegas, USA, 2014.

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