

Publications by type

The publications listed here are in *reverse chronological order*, grouped by the type of publications with a separate publication counter per named type. A total of **84** publications listed here does not include invited talks and patents. The bibliography style in use is L^AT_EX IEEEtran.

Books and book chapters

- [1] S. Marsh, N. Dwyer, **A. Basu**, T. Storer, K. Renaud, K. El-Khatib, B. Esfandiari, S. Noël, and M. V. Bicakci, “Foreground Trust as a Security Paradigm: Turning Users into Strong Links,” in *Information Security in Diverse Computing Environments*. IGI Global, 2014.
- [2] I. Wakeman, A. Light, J. Robinson, D. Chalmers, and **A. Basu**, *Deploying Pervasive Advertising in a Farmers’ Market*. Springer HCI Series, 2011, ch. Pervasive Advertising and Shopping.

Journals, magazines and other articles

- [1] A. Al Omar, M. Z. A. Bhuiyan, **A. Basu**, S. Kiyomoto, and M. S. Rahman, “Privacy-friendly platform for healthcare data in cloud based on blockchain environment,” *Future Generation Computer Systems*, 2019.
- [2] M. S. Rahman, **A. Basu**, T. Nakamura, H. Takasaki, and S. Kiyomoto, “PPM: Privacy Policy Manager for Home Energy Management,” *Journal of Wireless Mobile Networks, Ubiquitous Computing and Dependable Applications (JoWUA)*, vol. 9, no. 2, pp. 42–56, 2018.
- [3] M. S. Rahman, **A. Basu**, and S. Kiyomoto, “Decentralized ciphertext-policy attribute-based encryption: A post-quantum construction,” *Journal of Internet Services and Information Security (JISIS)*, vol. 7, no. 3, pp. 1–16, 2017.

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- [9] **A. Basu**, J. Vaidya, H. Kikuchi, T. Dimitrakos, and S. K. Nair, “Privacy preserving collaborative filtering for SaaS enabling PaaS clouds,” *Journal of Cloud Computing: Advances, Systems and Applications*, vol. 1, no. 8, 2012.
- [10] C. D. Jensen, N. Dragoni, **A. Basu**, and C. Mancini, “Frontiers in trust management,” *Journal of Internet Services and Information Security (JISIS)*, vol. 1, no. 4, pp. 1–4, 11 2011.
- [11] **A. Basu**, J. Vaidya, and H. Kikuchi, “Efficient privacy-preserving collaborative filtering based on the weighted Slope One predictor,” *Journal of Internet Services and Information Security*, vol. 1, no. 4, 2011.
- [12] J. Stanier, S. Naicken, **A. Basu**, J. Li, and I. Wakeman, “Can We Use Trust in Online Dating?” *Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications*, vol. 1, no. 4, pp. 50–61, 2010.
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- [14] F. Liarokapis, N. Mourkoussis, M. White, J. Darcy, M. Sifniotis, P. Petridis, **A. Basu**, and P. F. Lister, “Web3d and augmented reality to support engineering education,” *World Transactions on Engineering and Technology Education*, vol. 3, no. 1, pp. 11–14, 2004.

Conferences, workshops and symposiums

- [1] **A. Basu**, T. Dimitrakos, Y. Nakano, and S. Kiyomoto, “A framework for blockchain-based verification of integrity and authenticity,” in *Proceedings of the IFIP WG 11.11 International Conference on Trust Management (IFIPTM)*, Copenhagen, Denmark, 2019.
- [2] **A. Basu**, S. Marsh, T. Darbyshire, N. Dwyer, and H. Miller-Bakewell, “Empowering People with Informed Consent,” in *4th International Conference on Data for Policy*, London, UK, 2019.
- [3] S. Kiyomoto, K. Fukushima, **A. Basu**, and M. S. Rahman, “On Consensus Protocols in Parallel-Blockchain Environment,” in *13th International Conference for Internet Technology and Secured Transactions (ICITST)*, Cambridge, UK, 2018.
- [4] K. Suksomboon, A. Tagami, **A. Basu**, and J. Kurihara, “In-Device Proxy Re-encryption Service for Information-Centric Networking Access Control,” in *IEEE Conference on Local Computer Networks (LCN)*. Chicago, USA: IEEE, 2018.
- [5] T. Mimoto, S. Kiyomoto, S. Hidano, **A. Basu**, and A. Miyaji, “The Possibility of Matrix Decomposition as Anonymization and Evaluation for Time-sequence Data,” in *International Conference on Privacy, Security and Trust (PST)*. Belfast, UK: IEEE, 2018.
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- [7] S. Kiyomoto, **A. Basu**, M. S. Rahman, and S. Ruj, “On blockchain-based authorization architecture for beyond-5g mobile services,” in *12th International Conference for Internet Technology and Secured Transactions (ICITST)*, Dec 2017, pp. 136–141.
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- [10] K. Suksomboon, A. Tagami, **A. Basu**, and J. Kurihara, “IPRES: in-device proxy re-encryption service for secure ICN,” in *Proceedings of the 4th ACM Conference on Information-Centric Networking (ICN)*. Berlin, Germany: ACM, 2017, pp. 176–177.
- [11] 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.
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- [13] 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.
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