



Kauno technologijos universitetas

Informatikos fakultetas

Modulis „Tiriamasis projektas 1“

Projektas: „Savarankiškos pseudonimizuotos tapatybės
valdymo sistema“

Literatūros sąrašas

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Literatūros sąrašas

- [1] Schardong, F.; Custódio, R. Self-Sovereign Identity: A Systematic Review, Mapping and Taxonomy. *Sensors* 2022, 22, 5641. Pasiokiama: <https://doi.org/10.3390/s22155641>.
- [2] Soltani, Reza, Nguyen, Uyen Trang, An, Aijun, A Survey of Self-Sovereign Identity Ecosystem, Security and Communication Networks, 2021, 8873429, 26 pages, 2021. Pasiokiama: <https://doi.org/10.1155/2021/8873429>.
- [3] Jøsang A. and Pope S., User centric identity management, Proceedings of the AusCERT Asia Pacific Information Technology Security Conference, 2005, Brisbane, Australia.
- [4] National Institute of Standards and Technology. (2010). Guide to Protecting the Confidentiality of Personally Identifiable Information (PII) (Special Publication 800-122). Gaithersburg, MD: U.S. Department of Commerce. Pasiokiama: <https://doi.org/10.6028/NIST.SP.800-122>.
- [5] Alrodhan, Waleed & Mitchell, Chris. (2010). Enhancing user authentication in claim-based identity management. 75 - 83. 10.1109/CTS.2010.5478521.
- [6] M. S. Ferdous, F. Chowdhury and M. O. Alassafi, "In Search of Self-Sovereign Identity Leveraging Blockchain Technology," in *IEEE Access*, vol. 7, pp. 103059-103079, 2019, doi: 10.1109/ACCESS.2019.2931173.
- [7] Dib, Omar and Toumi, Khalifa, Decentralized Identity Systems: Architecture, Challenges, Solutions and Future Directions (December 20, 2020). *Annals of Emerging Technologies in Computing (AETiC)*, Print ISSN: 2516-0281, Online ISSN: 2516-029X, pp. 19-40, Vol. 4, No. 5 (2020), Published by International Association of Educators and Researchers (IAER), DOI: 10.33166/AETiC.2020.05.002. Pasiokiama: <https://ssrn.com/abstract=3785452>.
- [8] Apthorpe, Noah, et al. "The Authentication Gap: Higher Education's Widespread Non-compliance with NIST Digital Identity Guidelines." *arXiv preprint arXiv:2409.00546* (2024).
- [9] Alanzi, H., & Alkhatib, M. (2022). Towards Improving Privacy and Security of Identity Management Systems Using Blockchain Technology: A Systematic Review. *Applied Sciences*, 12(23), 12415. Pasiokiama: <https://doi.org/10.3390/app122312415>.
- [10] Allen C., The Path to Self-Sovereign Identity. *Life with Alacrity*, 2016.
- [11] Baars, D. S. Towards self-sovereign identity using blockchain technology. MS thesis. University of Twente, 2016.
- [12] Aggarwal, Shubhani, and Neeraj Kumar. "Core components of blockchain." *Advances in Computers*. Vol. 121. Elsevier, 2021. 193-209.

- [13] M. S. Ferdous, F. Chowdhury and M. O. Alassafi, "In Search of Self-Sovereign Identity Leveraging Blockchain Technology," in *IEEE Access*, vol. 7, pp. 103059-103079, 2019, doi: 10.1109/ACCESS.2019.2931173.
- [14] M. R. Ahmed, A. K. M. M. Islam, S. Shatabda and S. Islam, "Blockchain-Based Identity Management System and Self-Sovereign Identity Ecosystem: A Comprehensive Survey," in *IEEE Access*, vol. 10, pp. 113436-113481, 2022, doi: 10.1109/ACCESS.2022.3216643.
- [15] Sadeghi, M., Mahmoudi, A. & Deng, X. Adopting distributed ledger technology for the sustainable construction industry: evaluating the barriers using Ordinal Priority Approach. *Environ Sci Pollut Res* 29, 10495-10520 (2022). Pasiokiamia: <https://doi.org/10.1007/s11356-02116376y>.
- [16] Soltani, R.; Zaman, M.; Joshi, R.; Sampalli, S. Distributed Ledger Technologies and Their Applications: A Review. *Appl. Sci.* 2022, 12, 7898. Pasiokiamia: <https://doi.org/10.3390/app12157898>.
- [17] Clemens Brunner, Ulrich Gellersdörfer, Fabian Knirsch, Dominik Engel, and Florian Matthes. 2020. DID and VC: Untangling Decentralized Identifiers and Verifiable Credentials for the Web of Trust. In 2020 the 3rd International Conference on Blockchain Technology and Applications (ICBTA 2020), December 14–16, 2020, Xi'an, China. ACM, New York, NY, USA, 6 pages. Pasiokiamia: <https://doi.org/10.1145/3446983.3446992>.
- [18] Stockburger, L.; Kokosioulis, G.; Mukkamala, A.; Mukkamala, R.; Avital, M. Blockchain-enabled Decentralized Identity Management: The Case of Self-sovereign Identity in Public Transportation. *Blockchain Res. Appl.* 2021, 2, 100014.
- [19] Satybaldy, Abylay. "Towards Self-Sovereign Identity." (2024).
- [20] A. Satybaldy, M. S. Ferdous and M. Nowostawski, "A Taxonomy of Challenges for Self-Sovereign Identity Systems," in *IEEE Access*, vol. 12, pp. 16151-16177, 2024, doi: 10.1109/ACCESS.2024.3357940.
- [21] Aggarwal, Shubhani, and Neeraj Kumar. "Architecture of blockchain." *Advances in Computers*. Vol. 121. Elsevier, 2021. 171-192.
- [22] General Data Protection Regulation (GDPR). (n.d.). *Article 17
- Right to erasure ('right to be forgotten'). Pasiokiamia: <https://gdpr-info.eu/art-17-gdpr/> [žiūrėta 2025-01-02].
- [23] Kondova, Galia and Erbguth, Jörn, Self-Sovereign Identity on Public Blockchains and the GDPR (April 1, 2020). *Proceedings of ACM SAC Conference*, Brno, Czech Republic,

March 30- April 3, 2020 (SAC'20), 342 - 345. DOI: 10.1145/3341105.3374066. Pasičkama:
<https://ssrn.com/abstract=3515213>.

- [24] Preukschat, Alex, and Drummond Reed. Self-sovereign identity. Manning Publications, 2021.
- [25] Allen, C. (2016). Self-sovereign identity principles. Pasičkama:
<https://github.com/WebOfTrustInfo/self-sovereign-identity/blob/master/self-sovereign-identity-principles.md> [žiūrėta 2025-01-02].
- [26] World Wide Web Consortium (W3C). (2022). Decentralized Identifiers (DIDs) v1.0. Pasičkama: <https://www.w3.org/TR/did-core/> [žiūrėta 2025-01-02].