

Universitatea: *Academia Tehnică Militară „Ferdinand I”*

Facultatea: C

Departament: C1

Conf. dr. ing. Iulian ACIOBĂNIȚEI

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

End-to-end Security in cloud computing, Academia Tehnică Militară “Ferdinand I”, 2020, prof. univ. dr. ing. Victor-Valeriu Patriciu

B. Cărți si capitole în cărți publicate

1. Acioabăniței Iulian, “Semnături electronice în contextul regulamentului eIDAS.”, Editura Academiei Tehnice Militare “Ferdinand I”, București, 2022, ISBN 978-973-640-335-4
2. Acioabăniței Iulian, Medvei Mirabela, Mărgărit Laurențiu, “Circuite integrate numerice: îndrumar de laborator.”, Editura Academiei Tehnice Militare “Ferdinand I”, București, 2020, ISBN 978-973-640-320-0
3. Togan Mihai, Acioabăniței Iulian, et al. “Informatică. Culegere de probleme de tip grilă pentru admiterea în învățământul superior”, Editura Academiei Tehnice Militare “Ferdinand I”, București, 2025, ISBN 978-973-640-355-2

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Acioabăniței, I., Arseni, Ș. C., Bureacă, E., & Togan, M. (2024). A Comprehensive and Privacy-Aware Approach for Remote Qualified Electronic Signatures. *Electronics*, 13(4) WOS: 001168321200001 (Jurnal ISI, FI: 2.6)
2. Ungureanu, Dan, Stefan-Adrian Toma, Ion-Dorinel Filip, Bogdan-Costel Mocanu, Iulian Acioabăniței, Bogdan Marghescu, Titus Balan, Mihai Dascalu, Ion Bica, and Florin Pop. "ODIN112–AI-Assisted Emergency Services in Romania." *Applied Sciences* 13, no. 1 (2023): 639, WOS: 000910455500001 (Jurnal ISI, FI: 2.5)
3. Brînzea, A.; Leancă, R.-A.; Acioabăniței, I.; Pop, F. Standard-Compliant Blockchain Anchoring for Timestamp Tokens. *Appl. Sci.* 2025, 15, 12722. <https://doi.org/10.3390/app152312722>
4. Sofronie, M.; Brînzea, A.; Bratu, A.; Acioabăniței, I.; Pop, F. A Bidirectional Bridge for Cross-Chain Revocation of Verifiable Credentials in Segregated Blockchains. *Algorithms* 2025, 18, 734. <https://doi.org/10.3390/a18120734>
5. Bureacă, E.; Leancă, R.-A.; Ciobanu, I.; Brînzea, A.; Acioabăniței, I. Unlinkable Revocation Lists for Qualified Electronic Attestations: A Blockchain-Based Framework. *Electronics* 2025, 14, 2795. <https://doi.org/10.3390/electronics14142795>
6. Istrate, A., Avram, D., Acioabăniței, I. (2025). Efficiency Analysis of Lightweight Post-Quantum Cryptographic Algorithms. In: Morogan, L., Roenne, P., Bica, I. (eds) *Innovative Security*

- Solutions for Information Technology and Communications. SecITC 2024. Lecture Notes in Computer Science, vol 15595. Springer, Cham. https://doi.org/10.1007/978-3-031-87760-5_9
7. Bianca, Ionașcu and Iulian Aciobăniței, "Enriching an Open-Source Access Management Platform using Multi-Factor Authentication", IEEE 18th International Symposium on Applied Computational Intelligence and Informatics (SACI 2024), Timișoara
 8. Toraș-Mihnea, Jipianu and Iulian Aciobăniței, "An implementation for secure data deduplication on end-to-end encrypted documents", IEEE 18th International Symposium on Applied Computational Intelligence and Informatics (SACI 2024), Timișoara
 9. George, Andronache and Iulian Aciobăniței, "DAnke - An application for promoting a healthy lifestyle using gamification and blockchain", IEEE 18th International Symposium on Applied Computational Intelligence and Informatics (SACI 2024), Timișoara
 10. P. Cioloca, A. Aloman, A. Bratu and I. Aciobăniței, "Efficient Framework for Supply Chain Digitization using Blockchain and IoT," 2024 15th International Conference on Communications (COMM), Bucharest, Romania, 2024, pp. 1-6, doi: 10.1109/COMM62355.2024.10741419
 11. Ș. -C. Arseni, E. Bureacă and I. Aciobăniței, "Digital Signatures Long-Term Preservation Services, IPFS and Blockchain are a Good Match," 2024 15th International Conference on Communications (COMM), Bucharest, Romania, 2024, pp. 1-6, doi: 10.1109/COMM62355.2024.10741494
 12. Aciobanitei, Iulian, Ionut Luculescu, and Mihai-Lica Pura. "Qualified Electronic Signature SaaS Solution for Google Docs & Google Sheets Documents." In 2020 13th International Conference on Communications (COMM), pp. 109-112. IEEE, 2020.
 13. Ruica, Elena-Cristina, Mihai-Lica Pura, and Iulian Aciobanitei. "Implementing cloud qualified electronic signatures for documents using available cryptographic libraries: a survey." In 2020 13th International Conference on Communications (COMM), pp. 113-118. IEEE, 2020.
 14. Aciobanitei, Iulian, Vlad Dedita, Mihai-Lica Pura, and Victor-Valeriu Patriciu. "Sabres-a proof of concept for enhanced cloud qualified electronic signatures." In 2020 13th International Conference on Communications (COMM), pp. 103-108. IEEE, 2020
 15. I. Aciobanitei, L. Leahu and M. Pura, "A PKCS#11 Driver for Cryptography in the Cloud," 2018 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Iasi, Romania, 2018, pp. 1-4, doi: 10.1109/ECAI.2018.8679009
 16. Aciobanitei, Iulian, Paul Danut Urian, and Mihai Pura. "A Cryptography API: Next Generation Key Storage Provider for Cryptography in the Cloud." In 2018 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), pp. 1-4. IEEE, 2018
 17. Teican, Sorin Catalin, Iulian Aciobanitei, and Mihai-Lica Pura. "Using Set Rewriting to Implement the Chemical Reaction Computation Model." In 2018 International Conference on Communications (COMM), pp. 197-200. IEEE, 2018.
 18. Aciobanitei, Iulian, Iulian Catalin Buhus, and Mihai-Lica Pura. "Lightweight version of SQRL authentication protocol based on cryptography in the cloud." In 2018 IEEE 12th International Symposium on Applied Computational Intelligence and Informatics (SACI), pp. 000173-000178. IEEE, 2018.
 19. Aciobanitei, Iulian, Iulian Catalin Buhus, and Mihai-Lica Pura. "Using cryptography in the cloud for lightweight authentication protocols based on QR codes." In 2018 IEEE 12th

- International Symposium on Applied Computational Intelligence and Informatics (SACI), pp. 000539-000542. IEEE, 2018.
20. M. -L. Pura, I. Aciobanitei, S. -A. Toma and D. Buchs, "CTL formula evaluation by term rewriting inversion," 2017 9th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Targoviste, Romania, 2017, pp. 1-10, doi: 10.1109/ECAI.2017.8166468.
 21. Aciobanitei, I., Guinea, R-I. and Pura, M-L., "AVISPA versus AVANTSSAR in the Model Checking of Secure Communication Protocols.", DOI: 10.5220/0006887905200525, Proceedings of the 15th International Joint Conference on e-Business and Telecommunications (ICETE 2018) - Volume 2: SECRIPT, pages 520-525
 22. Aciobanitei, Iulian, Paul-Danut Urian, and Mihai-Lica Pura. "Learned Lessons from Implementing an Android Client for the Cloud Signature Consortium API." In Innovative Security Solutions for Information Technology and Communications: 12th International Conference, SecITC 2019, Bucharest, Romania, November 14–15, 2019, Revised Selected Papers, pp. 227-240. Springer International Publishing, 2020.
 23. Lupu, M., Aciobăniței, I. (2025). Enhanced Blockchain-Based e-Voting System Using Zero-Knowledge Proofs. In: Ciurea, C., Pocatilu, P., Filip, F.G. (eds) Proceedings of 23rd International Conference on Informatics in Economy (IE 2024). IE 2024. Smart Innovation, Systems and Technologies, vol 426. Springer, Singapore. https://doi.org/10.1007/978-981-96-0161-5_21
 24. B. -D. Ionașcu and I. Aciobăniței, "SCAWA: Enabling Smart Card Authentication for Web Applications," 2024 16th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Iasi, Romania, 2024, pp. 1-5, doi: 10.1109/ECAI61503.2024.10607461
 25. E. Bureacă and I. Aciobăniței, "A Blockchain based Framework for Content Provenance and Authenticity," 2024 16th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Iasi, Romania, 2024, pp. 1-5, doi: 10.1109/ECAI61503.2024.10607477.
 26. P. Cioloca, E. Bureacă, A. Aloman and I. Aciobăniței, "A Proposed Framework for Transparency of Supply Chain using Blockchain and IoT," 2024 16th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Iasi, Romania, 2024, pp. 1-6, doi: 10.1109/ECAI61503.2024.10607523
 27. B. -D. Ionașcu and I. Aciobăniței, "KETOP - A Keycloak extension for TOTP," 2024 Advanced Topics on Measurement and Simulation (ATOMS), Constanta, Romania, 2024, pp. 240-243, doi: 10.1109/ATOMS60779.2024.10921549
 28. I. Aciobăniței and T. Lepădatu, "AhoWEF: An Efficient Approach to Web Content Filtering using Aho-Corasick," 2024 Advanced Topics on Measurement and Simulation (ATOMS), Constanta, Romania, 2024, pp. 252-254, doi: 10.1109/ATOMS60779.2024.10921534
 29. A. Brînzea and I. Aciobănitei, "A Versatile Helper Module for Remote Qualified Electronic Signatures," 2024 Advanced Topics on Measurement and Simulation (ATOMS), Constanta, Romania, 2024, pp. 244-247, doi: 10.1109/ATOMS60779.2024.10921601
 30. E. Bureacă, D. -I. Bărar-Pintea, A. Brînzea and I. Aciobăniței, "Open-source Windows-native application for file synchronization with secure data deduplication," 2025 25th International Conference on Control Systems and Computer Science (CSCS), Bucharest, Romania, 2025, pp. 206-211, doi: 10.1109/CSCS66924.2025.00038.

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31. Arseni, Ștefan-Ciprian, Mihai Togan, Iulian Aciobăniței, Emil Bureacă, and Mihai Coca. "LTPS-Service for long-term preservation of digital signatures." In 2022 14th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), pp. 1-6. IEEE, 2022

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

- Reviste

1. Olaru, Cristian-Alexandru and Iulian Aciobăniței. "*Implementation Details of a New Social Media Platform - Overlook.*", In Journal of Military Technology, Vol. 5, No. 2, Dec. 2022, doi:10.32754/JMT.2022.2.02
2. Lepădatu, Tudor and Iulian Aciobăniței. "*Types of Pattern Matching for Examining DNA Sequences*", In Journal of Military Technology, Vol. 6, No. 2, Dec. 2023, doi:10.32754/JMT.2023.2.03

- Selecție cu maximum 20 lucrări în volume de conferințe

E. Brevete obținute în întreaga activitate

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Semnătura:

