

Lista de lucrări

Dr. Adrian-Silviu Roman

- [1] **Roman, A. S.**, Bolboacă, R., Lenard, T., & Haller, P. (2025). *APU-TrajGen+: GRU-based Adaptive Privacy and Utility Preserving Trajectory Generation*. *IEEE Access*.
- [2] **Roman, A. S.**, Bolboacă, R., Cerf, S., Haller, P., & Robu, B. (2025). *APU-TrajGen: Adaptive Privacy and Utility Preserving Real-Time Synthetic Trajectory Generation*. *Procedia Computer Science*, 270, 456-465.
- [3] Oroian, D., Bolboacă, R., **Roman, A. S.**, & Dobrota, V. (2024, October). *Network intrusion detection system using anomaly detection techniques*. In *2024 IEEE 20th International Conference on Intelligent Computer Communication and Processing (ICCP)* (pp. 1-8). IEEE.
- [4] **Roman, A. S.**, Genge, B., & Haller, P. (2024, September). *Balancing Privacy and Utility in Multivariate Time-Series Classification*. In *European Symposium on Research in Computer Security* (pp. 124-136). Cham: Springer Nature Switzerland.
- [5] **Roman, A. S.**, Genge, B., & Bolboacă, R. (2024). *Privacy-Oriented Feature Selection for Multivariate Time Series Classification*. *Procedia Computer Science*, 246, 500-509.
- [6] Genge, B., Haller, P., & **Roman, A. S.** (2023). *E-APTDetect: Early advanced persistent threat detection in critical infrastructures with dynamic attestation*. *Applied Sciences*, 13(6), 3409.
- [7] **Roman, A. S.** (2023). *Evaluating the privacy and utility of time-series data perturbation algorithms*. *Mathematics*, 11(5), 1260, 2023
- [8] **Roman, A. S.**, & Genge, B. (2023, October). *A Differential Privacy-Based Approach for Protecting Crowdsourced WiFi RSS Data*. In *2023 IEEE 19th International Conference on Intelligent Computer Communication and Processing (ICCP)* (pp. 255-262). IEEE, 2023
- [9] **Roman, A. S.** (2022, October). *Dynamic Utility-Improving Time Series Data Perturbation Framework*. In *International Conference Interdisciplinarity in Engineering* (pp. 850-861). Cham: Springer International Publishing.
- [10] **Roman, A. S.**, Genge, B., Duka, A. V., & Haller, P. (2021). *Privacy-preserving tampering detection in automotive systems*. *Electronics*, 10(24), 3161, 2021
- [11] **Roman, A.S.**: *Smart Sensors for Software Telemetry Systems*, Studia Univ. “Babes-Bolyai”, Informatica, Volume LV, Number 1, 2008

- [12] **Roman, A.S.:** *Proposed Architecture for Software Telemetry Systems*, Proceedings of the National Symposium ZAC 2008, ISBN:978-973-610-730-6, p.31-37, 2008
- [13] **Roman, A.S.:** *Towards Building Software Project Telemetry Tools*, Proceedings of the International Conference “European Integration Between Tradition and Modernity“, ISSN: 1844-2048, p.731-734, 2008
- [14] Rădoiu, D., **Roman, A.S.:** *The Relaxation Of The Fundamental Conditions Of Scientific Visualization Using Equivalence Classes*, Studia Univ. “Babes-Bolyai”, Informatica, Volume XLV, Number 1, 2000
- [15] Rădoiu, D., **Roman, A.S.:** *3D Terrain Reconstruction Using Scattered Data Sets*, Studia Univ. “Babes-Bolyai”, Informatica, Volume XLV, Number 1, 2000
- [16] Rădoiu, D., **Roman, A.S.:** *A Component Based Approach For Scientific Visualization of Experimental Data*, Studia Univ. “Babes-Bolyai”, Informatica, Volume XLIV, Number 2, 1999
- [17] Rădoiu, D., **Roman, A.S.:** *Modelarea procesului de vizualizare*, Tehnologii Avansate - Aplicații în educație, Editura Universității Petru Maior, ISBN: 973-99054-6-3, p.86-101, 1999

Data: 7.01.2026