



CURRICULUM VITAE

Date personale:

Nume, Prenume: **Roman Adrian-Silviu**

Titlu academic: Asistent universitar drd.

Departament: DIETI

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Domenii de interes (maximum 5 domenii, direcții):

- Data privacy
- Time-series data privacy
- Privacy-preserving data mining
- Machine learning
- Artificial intelligence

Activitate de cercetare:

1. Proiecte de cercetare (maximum 3 proiecte)

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2. Lucrări publicate in extenso (maximum 5 lucrări)

- a. Roman, Adrian-Silviu, et al. "Privacy-preserving tampering detection in automotive systems." Electronics 10.24 (2021): 3161.
- b. Roman, Adrian-Silviu. "Evaluating the privacy and utility of time-series data perturbation algorithms." Mathematics 11.5 (2023): 1260.
- c. Roman, Adrian-Silviu, and Bèla Genge. "A Differential Privacy-Based Approach for Protecting Crowdsourced WiFi RSS Data." 2023 IEEE 19th International Conference on Intelligent Computer Communication and Processing (ICCP). IEEE, 2023.
- d. Roman, Adrian-Silviu. "Dynamic Utility-Improving Time Series Data Perturbation Framework." International Conference Interdisciplinarity in Engineering. Cham: Springer International Publishing, 2022.



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- e. Genge, Béla, Piroska Haller, and Adrian-Silviu Roman. "E-APTDetect: Early Advanced Persistent Threat Detection in Critical Infrastructures with Dynamic Attestation." Applied Sciences 13.6 (2023): 3409.