

**LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE,
PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT**

Ing. Adriana-Maria BERDICH student doctorand

1. Lucrări științifice publicate în reviste indexate Web of Science-WoS (ISI)

1. **Berdich, Adriana**, Bogdan Groza, Rene Mayrhofer, Efrat Levy, Asaf Shabtai, and Yuval Elovici. "Sweep-to-Unlock: Fingerprinting Smartphones based on Loudspeaker Roll-off Characteristics." *IEEE Transactions on Mobile Computing*, 2021, **Q1**, **WOS:000946565100037**
2. **Berdich, Adriana**, Bogdan Groza, Efrat Levy, Asaf Shabtai, Yuval Elovici, and Rene Mayrhofer. "Fingerprinting Smartphones Based on Microphone Characteristics from Environment Affected Recordings", *IEEE Access*, **Q2**, **WOS:000892894500001**
3. **Berdich, Adriana**, and Bogdan Groza. "Smartphone Camera Identification from Low-Mid Frequency DCT Coefficients of Dark Images." *Entropy* 24, no. 8, 2022: 1158, **Q2**, **WOS:000846036500001**
4. Groza, Bogdan, **Adriana Berdich**, Camil Jichici, and Rene Mayrhofer. "Secure Accelerometer-Based Pairing of Mobile Devices in Multi-Modal Transport." *IEEE Access* 8, 2020: 9246-9259., **Q2**, **WOS:000525423700002**
5. Groza, Bogdan, Tudor Andreica, **Adriana Berdich**, Pal-Stefan Murvay, and Eugen Horatiu Gurban. "Prestvo: Privacy enabled smartphone based access to vehicle on-board units." *IEEE Access* 8, 2020: 119105-119122., **Q2**, **WOS:000551982000001**
6. Anistoroaei, Alfred, **Adriana Berdich**, Patricia Iosif, and Bogdan Groza. "Secure Audio-Visual Data Exchange for Android In-Vehicle Ecosystems." *Applied Sciences* 11, no. 19, 2021: 9276., **Q2**, **WOS:000710229100001**
7. Popa, Lucian, **Adriana Berdich** and Bogdan Groza, "CarTwin-development of a digital twin for a real-world in-vehicle can network," *Applied Sciences*, vol. 13, no. 1, p. 445, 2022., **Q2**, **WOS:000909725200001**
8. **Berdich, Adriana**, Bogdan Groza, Rene Mayrhofer, "A survey on fingerprinting technologies for smartphones onemebded transducers", (**under submission**)
9. **Berdich, Adriana** and Bogdan Groza, "Cyberattacks on Adaptive Cruise Controls and Emergency Braking Systems: Adversary Models, Impact Assessment and Countermeasures", (**under submission**)
10. Jichici, Camil, **Adriana Berdich**, Adrian Musuroi, Bogdan Groza. "Control System Level Intrusion Detection and Prevention on J1939 Heavy-Duty Vehicle Buses", (**under submission**)

2. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings

- 1.
- 2.

3. Lucrări științifice publicate în reviste de specialitate indexate BDI (cu specificarea BDI)

- 1.
- 2.

4. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate BDI (cu specificarea BDI)

1. **Berdich, Adriana**, Alfred Anistoroaei, Bogdan Groza, Horatiu Gurban, Stefan Murvay, and Daniel Iercan. "ANTARES-ANonymous Transfer of vehicle Access Rights from External cloud Services." In *2020 IEEE 91st Vehicular Technology Conference (VTC2020-Spring)*, pp. 1-5. IEEE, 2020., **Scopus**
2. **Berdich, Adriana**, Patricia Iosif, Camelia Burlacu, Alfred Anistoroaei, and Bogdan Groza, "Fingerprinting smartphone accelerometers with traditional classifiers and deep learning networks," (**accepted for publication**).

5. Lucrări științifice publicate în volumele unor manifestări științifice internaționale (Proceedings) din străinătate

1. Groza, Bogdan, Horatiu Gurban, Lucian Popa, **Adriana Berdich**, and Stefan Murvay. "Car-to-Smartphone Interactions: Experimental Setup, Risk Analysis and Security Technologies." In *5th International Workshop on Critical Automotive Applications: Robustness & Safety*. 2019., **Google Scholar**
2. Nanu, Sorin, George Belgiu, Ana Maria Dan, **Adriana Berdich**, and Alfred Anistoroaei. "Path finding and guidance algorithms for autonomous mobile robots in a tree structure network." In *IOP Conference Series: Materials Science and Engineering*, vol. 1182, no. 1, p. 012053. IOP Publishing, 2021., **Google Scholar**

6. Lucrări științifice publicate în volumele unor manifestări științifice

- 1.
- 2.

7. Capitole de carte publicate:

1. Murvay, Stefan, **Adriana Berdich**, and Bogdan Groza, "Physical layer intrusion detection and localization on can bus," *Machine Learning and Optimization Techniques for Automotive Cyber-Physical Systems*, Springer, 2023, (accepted for publication).
2. **Berdich, Adriana** and Bogdan Groza, "Secure by design autonomous emergency braking systems in accordance with iso 21434," *Machine Learning and Optimization Techniques for Automotive Cyber-Physical Systems*, Springer, 2023, (accepted for publication).

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