

MEMORIU ȘTIINȚIFIC
Drd. Maria-Mădălina ANDRONACHE

Studii de doctorat

Perioada: 05.10.2022-30.09.2025

Conducător științific: Prof. Dr. Ing. Corneliu BURILEANU

Domeniu: Inginerie Electronică, Telecomunicații și Tehnologii Informaționale

Titlul tezei de doctorat: Tehnici de analiză a traficului în rețelele de calcul / Traffic analysis techniques in computer networks

Activitate științifică

A. Lista de lucrări științifice (articole în reviste sau volume)

1. Maria-Mădălina Andronache, Alexandru Vulpe and Corneliu Burileanu, „*The Impact of Malware Attacks on the Performance of Various Operating Systems*” International Journal of Advanced Computer Science and Applications(IJACSA), 15(12), Dec 2024, DOI: 10.14569/IJACSA.2024.0151257, ISSN : 2156-5570 (Online), ISSN : 2158-107X (Print), ISI Q3, WOS:001394195600001
2. Maria-Mădălina Andronache, Alexandru Vulpe and Corneliu Burileanu, *A Comparative Study of Intrusion Events in Different SIEM Systems*, in Proceedings of the 2025 IEEE 23rd World Symposium on Applied Machine Intelligence and Informatics (SAMI), Stará Lesná, Slovakia, 2025, pp. 65-70, IEEE, DOI: 10.1109/SAMI63904.2025.10883178.
3. Maria-Mădălina Andronache, Alexandru Vulpe and Corneliu Burileanu, *Analyzing Network Anomalies Using Wazuh SIEM*, Proceedings of the International Conferences on Applied Computing 2024 and WWW/Internet 2024, ICWI 2024, 26-28 October 2024
4. Maria-Mădălina Andronache, Alexandru Vulpe and Corneliu Burileanu, *A Malware Study using Static and Dynamic Analysis*, Proceedings of the 2024 15th International Conference on Communications (COMM), Bucharest, Romania, 2024, pp. 1-6, IEEE, DOI: 10.1109/COMM62355.2024.10741424.
5. Maria-Mădălina Andronache, Alexandru Vulpe and Corneliu Burileanu, *Performance Comparison of Malware Classification Algorithms using WEKA Tool*, Proceedings of the 2024 16th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Iasi, Romania, 2024, pp. 1-6, IEEE, DOI: 10.1109/ECAI61503.2024.10607476.
6. Maria-Mădălina Andronache, Alexandru Vulpe, *Experimental Analysis of Network Traffic Databases for Anomaly Detection*, Proceedings of the 2023 International Conference on Speech Technology and Human-Computer Dialogue (SpeD), Bucharest, Romania, 2023, pp. 122-127, IEEE, DOI: 10.1109/SpeD59241.2023.10314928.

B. Cărți și manuale

1. Maria-Mădălina Andronache, Alexandru Vulpe and Corneliu Burileanu, *Analyzing Network Anomalies Using Wazuh SIEM*, Proceedings of the International Conferences on Applied Computing 2024 and WWW/Internet 2024, ICWI 2024, 26-28 October 2024, pp 381-385, ISBN (Book): 978-989-8704-62-7, Scopus.

IOSUD-UNSTPB

Școala Doctorală de Electronică, Telecomunicații și Tehnologia Informației

C. Participări la conferințe/workshop-uri

1. 2025 IEEE 23rd World Symposium on Applied Machine Intelligence and Informatics (SAMI), Stará Lesná, Slovakia, January 23-25, 2025
2. International Conferences on Applied Computing 2024 and WWW/Internet 2024, ICWI 2024, Zagreb, Croatia, 26-28 October 2024
3. 2024 15th International Conference on Communications (COMM), Bucharest, Romania, October 03-04, 2024
4. 2024 16th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Iasi, Romania, 27-28 June 2024
5. 2023 International Conference on Speech Technology and Human-Computer Dialogue (SpeD), Bucharest, Romania, October 25-27 2023

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