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Departamentul: **CALCULATOARE**

LISTA
lucrărilor științifice

A. Teza de doctorat

"Machine Learning Techniques for the Analysis and Detection of Malicious Software"
Conducător științific: *Prof.Dr.Ing. Gheorghe Sebestyen*
Universitatea: *Universitatea Tehnică din Cluj-Napoca*
Susținere publică: *2016*

B. Cărți și capitole în cărți

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2. **Ciprian Oprisa**, and Adrian Colesa. Sisteme de operare - îndrumător de laborator. In *ISBN 978-606-737-512-1*. UTPRESS, 2021
3. **Ciprian Oprisa**, Anca Hangan, Madalin Neagu, Emil Cebuc, and Gheorghe Sebestyen. Programare în limbaj de asamblare. In *ISBN 978-606-737-333-2*. UTPRESS, 2018

C. Lucrări indexate ISI/BDI

c1) Articole / studii publicate la conferințe indexate sau în reviste de specialitate de circulație internațională recunoscute (cotate ISI)

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2. Diana-Elena Petrean, Rodica Potolea, and **Ciprian Oprisa**. Packed code detection using shannon entropy and homomorphic encrypted executables. In *2024 IEEE 20th International Conference on Intelligent Computer Communication and Processing (ICCP)*, pages 2025–08–01 00:00:00. IEEE, 2024
3. Andrei Dumitras, Cristinel Mihai Mocan, and **Ciprian Oprisa**. A feature engineering approach for detecting phishing emails. In *2024 IEEE 20th International Conference on Intelligent Computer Communication and Processing (ICCP)*, pages 2025–08–01 00:00:00. IEEE, 2024
4. Alexandru Alin Jircan, and **Ciprian Oprisa**. Mephisto: a red team tool for offensive security. In *2024 IEEE 20th International Conference on Intelligent Computer Communication and Processing (ICCP)*, pages 2025–06–01 00:00:00. IEEE, 2024
5. Codrut-Georgian Artene, **Ciprian Oprisa**, Cristian Nicolae Butincu, and Florin Leon. Finding patient zero and tracking narrative changes in the context of online disinformation using semantic similarity analysis. *Mathematics*, 11(9):2053, 2023
6. Andrei Vasile Mihalca, and **Ciprian Pavel Oprisa**. Impact of library code in binary similarity systems. In *International Conference on Ubiquitous Security*, pages 31–44. Springer Nature Singapore Singapore, 2023
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8. Francisc Moldovan, Paul Satmarean, and **Ciprian Oprisa**. An analysis of http attacks on home iot devices. In *2020 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, pages 1–6. IEEE, 2020

9. Andrei Crisan, Gabriel Florea, Lorand Halasz, Camelia Lemnaru, and **Ciprian Oprisa**. Detecting malicious urls based on machine learning algorithms and word embeddings. In *2020 IEEE 16th International Conference on Intelligent Computer Communication and Processing (ICCP)*, pages 187–193. IEEE, 2020

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11. Paul Satmarean, and **Ciprian Oprisa**. Web servers protection using anomaly detection for http requests. In *Computer Security: ESORICS 2019 International Workshops, IOSec, MSTEC, and FINSEC, Luxembourg City, Luxembourg, September 26–27, 2019, Revised Selected Papers 2*, pages 77–90. Springer International Publishing, 2020

12. Dan Domnita, and **Ciprian Oprisa**. A genetic algorithm for obtaining memory constrained near-perfect hashing. In *2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)*, pages 1–6. IEEE, 2018

13. Francisc Moldovan, and **Ciprian Oprisa**. A framework for threats analysis using software-defined networking. In *2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP)*, pages 451–457. IEEE, 2018

14. Alexru Mihai Lungana-Niculescu, Adrian Colesa, and **Ciprian Oprisa**. False positive mitigation in behavioral malware detection using deep learning. In *2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP)*, pages 197–203. IEEE, 2018

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20. **Ciprian Oprisa**, George Cabau, and Gheorghe Sebestyen Pal. Semi-automated verdicts assignment for potentially malicious programs. In *2015 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP)*, pages 125–130. IEEE, 2015

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26. Cristina Bianca Pop, Viorica Rozina Chifu, Ioan Salomie, Mihaela Dinsoreanu, Tudor David, Vlad Acretoaie, Aliz Nagy, and **Ciprian Oprisa**. Biologically-inspired clustering of semantic web services. birds or ants intelligence? *Concurrency and Computation: Practice and Experience*, 24(6):619–633, 2012

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c2) Studii publicate la conferințe sau în reviste indexate în baze de date internaționale de referință în domeniul Calculatoare și Tehnlogia Informației (DBLP, ACM, IEEE, SCOPUS)

1. Bianca Alexandra Grama, and **Ciprian Oprisa**. A virtual machine management platform in computer science education. In *2024 11th International Conference on Electrical and Electronics Engineering (ICEEE)*, pages 116–121. IEEE, 2024

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7. **Ciprian Oprisa**, George Cabau, and Gheorghe Sebestyen Pal. Multi-centroid cluster analysis in malware research. In *EVOLVE-A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation VI*, pages 94–103. Springer International Publishing, 2018

8. Aliz Nagy, **Ciprian Oprisa**, Ioan Salomie, Cristina Bianca Pop, Viorica Rozina Chifu, and Mihaela Dinsoreanu. Particle swarm optimization for clustering semantic web services. In *2011 10th international symposium on parallel and distributed computing*, pages 170–177. IEEE, 2011

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