

Lista publicațiilor

1 Journal Papers

1. **Ciprian Opreșă**, Dragoș Gavriluț, and George Cabău. A scalable approach for detecting plagiarized mobile applications. *Knowledge and Information Systems*, pages 1–27, 2015. ISI journal, impact factor 1.702
2. **Ciprian Opreșă**, George Cabău, and Gheorghe Sebestyen Pal. Malware clustering using suffix trees. *Journal of Computer Virology and Hacking Techniques*, pages 1–10, 2014.
3. **Ciprian Opreșă**, George Cabău, and Adrian Coleșă. Automatic code features extraction using bio-inspired algorithms. *Journal of Computer Virology and Hacking Techniques*, 10(3):165–176, 2014.
4. Cristina Bianca Pop, Viorica Rozina Chifu, Ioan Salomie, Mihaela Dinsoreanu, Tudor David, Vlad Acretoai, Aliz Nagy, and **Ciprian Opreșă**. Biologically-inspired clustering of semantic web services. birds or ants intelligence? *Concurrency and Computation: Practice and Experience*, 24(6):619–633, April 2012. ISSN 1532-0626. 10.1002/cpe.1853.

2 Conference Papers

5. **Ciprian Opreșă**, Marius Checicheș, and Adrian Năndrean. Locality-sensitive hashing optimizations for fast malware clustering. In *Intelligent Computer Communication and Processing (ICCP), 2014 IEEE International Conference on*, pages 97–104, Cluj-Napoca, Romania, 2014. IEEE.
6. **Ciprian Opreșă**. A minhash approach for clustering large collections of binary programs. In *Control Systems and Computer Science (CSCS), 2015 20th International Conference on*, pages 157–163, Bucharest, Romania, 2015. IEEE.
7. **Ciprian Opreșă**, George Cabău, and Gheorghe Sebestyen Pal. Semi-automated verdicts assignment for potentially malicious programs. In *Intelligent Computer Communication and Processing (ICCP), 2015 IEEE International Conference on*, Cluj-Napoca, Romania, 2015. IEEE.
8. **Ciprian Opreșă** and Nicolae Ignat. A measure of similarity for binary programs with a hierarchical structure. In *Intelligent Computer Communication and Processing (ICCP), 2015 IEEE International Conference on*, Cluj-Napoca, Romania, 2015. IEEE.
9. **Ciprian Opreșă**, George Cabău, and Gheorghe Sebestyen Pal. Multi-centroid cluster analysis in malware research. In *EVOLVE 2015 International Conference*, Iasi, Romania, 2015.
10. **Ciprian Opreșă**, George Cabău, and Gheorghe Sebestyen Pal. A new string distance for computing binary code similarities. In *Intelligent Computer Communication and Processing (ICCP), 2014 IEEE International Conference on*, pages 91–96, Cluj-Napoca, Romania, 2014. IEEE.
11. **Ciprian Opreșă**, George Cabău, and Adrian Coleșă. Automatic code features extraction using bio-inspired algorithms. *EICAR Annual Conference*, 2013. received Best Paper Award
12. **Ciprian Opreșă**, George Cabău, and Adrian Coleșă. From plagiarism to malware detection. In *Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2013 15th International Symposium on*, pages 227–234, Timisoara, Romania, 2013. IEEE.
13. **Ciprian Opreșă**, Adrian Coleșă, and Iosif Ignat. A metric for evaluating the usability of file systems. In *Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2012 14th International Symposium on*, pages 179–186, Timisoara, Romania, 2012. IEEE.

14. Aliz Nagy, **Ciprian Opreșă**, Ioan Salomie, Cristina Bianca Pop, Viorica Rozina Chifu, and Mihaela Dinșoreanu. Particle swarm optimization for clustering semantic web services. In *Parallel and Distributed Computing (ISPD), 2011 10th International Symposium on*, pages 170–177, Cluj-Napoca, Romania, 2011. IEEE.
15. George Cabău, Magda Buhu, and **Ciprian Opreșă**. Malware classification using filesystem footprints. In *Automation, Quality and Testing, Robotics, 2016 IEEE International Conference on*, Cluj-Napoca, Romania, 2016.
16. George Cabău, Magda Buhu, and **Ciprian Opreșă**. Malware classification based on dynamic behavior. In *Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2016 2016 18th International Symposium on*, Timisoara, Romania, 2016.

3 Short Papers

17. **Ciprian Opreșă**, George Cabău, and Gheorghe Sebestyen Pal. Security threats for embedded systems: Issues and solutions. In *Automation, Quality and Testing, Robotics, 2014 IEEE International Conference on*, Cluj-Napoca, Romania, 2014.

4 Non-Academic Papers

18. **Ciprian Opreșă** and George Cabău. Pos malware: Are we really defenseless? In *17th Association of Anti-Virus Asia Researchers International Conference: Security Down Under*, Sydney, Australia, 2014.
19. **Ciprian Opreșă**, George Cabău, and Andrea Takacs. The ransomware strikes back. In *Virus Bulletin conference*, Berlin, Germany, 2013.
20. George Cabău, Radu Basaraba, Dragoș Gavriluț, and **Ciprian Opreșă**. Smart outlets. why we need responsible disclosure! In *Virus Bulletin conference*, Denver, USA, 2016.



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**Atestarea participării în proiectele de C-D co-finanțate din Fondurile Structurale,
de Coeziune și naționale**

Prin prezenta atestăm că:

Ciprian OPRIȘA

a participat în cadrul următorului proiect:

Nr.	Titlul proiectului	Program	Poziția în cadrul proiectului	Perioada de implementare	Valoarea proiectului (Lei)
1.	<i>CIPSEC - Enhancing Critical Infrastructure Protection with innovative SECURITY framework</i>	Horizon 2020	Cercetător	Mai 2016 – Aprilie 2019	1.653.750

Reprezentant legal,
Nicoleta REITU



TITLUL LUCRĂRILOR DE LABORATOR PENTRU CATEGORIA I.B.

- Programare în Limbaj de Asamblare
 - Arhitectura Intel x86 și elemente de bază ale limbajului de asamblare
 - Utilizarea bibliotecilor de funcții
 - Scrierea de macrouri și proceduri
- Programare Logică
 - Interfacing Prolog with External Programs
- Structuri de Date Masive și Securitatea Calculatoarelor
 - Analiza sentimentelor din tweet-uri
 - SQL și motoare de căutare
 - Extragerea secvențelor de OpCodes din executabile
 - Stocarea și filtrarea n-gramelor
 - Tehnici avansate de căutare
 - Tehnici de clustering
 - Algoritmul PageRank
 - Regresia liniară
 - Clasificatori

