

ANEXA 1 - FISA DE AUTOEVALUARE

CRITERII	DESCRIPTORI	DESCRIERE	FORMULA	PUNCTAJ OBTINUT
	1. Articole științifice publicate în extenso în reviste cotate Web of Science cu factor de impact	Ciprian Oprisa, Dragos Gavrilut, George Cabau: A Scalable Approach for Detecting Plagiarized Mobile Applications, Knowledge and Information Systems (KAIS), 2015	$(60 \times 1.702 + 25) / 3$	42.37
	2. Articole științifice publicate în extenso în reviste cotate Web of Science fara factor de impact	Mihai Cimpoeșu, Dragos Gavriluț and Adrian Popescu: The proactivity of Perceptron derived algorithms in malware detection, Journal in Computer Virology 2012, Springer, DOI: 10.1007/s11416-012-0164-1 , (http://www.springerlink.com/content/m3x12285107x3023/?MUD=MP)	20/3	6.66
		Cristina Vatamanu, Dragoș Gavriluț and Răzvan Benchea: A practical approach on clustering malicious PDF documents, Journal in Computer Virology 2012, Springer, DOI: 10.1007/s11416-012-0166-z, (http://www.springerlink.com/content/j03318958815x204/)	20/3	6.66
		Marius Barat, Bogdan Prelipcean, Dragos Gavrilut: A study on Common Malware Families Evolution in 2012, Journal of Computer Virology, November 2013, Volume 9, Issue 4, pp 171–178, http://link.springer.com/article/10.1007/s11416-013-0192-5 , DOI: 10.1007/s11416-013-0192-5	20/3	6.66
		Cristina Vatamanu, Dragos Gavrilut, Razvan Benchea: Building a Practical and Reliable Classifier for Malware Detection, Journal of Computer Virology and Hacking Techniques, November 2013, Volume 9, Issue 4, pp 205–214, DOI: 10.1007/s11416-013-0188-1, http://link.springer.com/article/10.1007/s11416-013-0188-1	20/3	6.66
		Adrian Popescu, Dragos Gavrilut, Daniel Irimia: A Practical Approach for Clustering Large Data Flows of Malicious URLs, Journal of Computer Virology and Hacking Techniques, February 2016, Volume 12, Issue 1, pp 37–47, DOI: 10.1007/s11416-015-0239-x, http://link.springer.com/article/10.1007/s11416-015-0239-x	20/3	6.66
	3. Articole științifice publicate în extenso în reviste indexate BDI	Cristina Vatamanu, Doina Cosovan, Dragos Gavrilut, Henri Luchian: A Comparative Study of Malware Detection Techniques Using Machine Learning Methods, International Conference on Information Systems Security, http://www.waset.org/abstracts/30093	15/4	3.75
	4. Articole științifice publicate în extenso în volumele conferințelor (indexate ISI)	Dragos Gavrilut, Mihai Cimpoesu, Dan Anton, Liviu Ciortuz: <i>Malware detection using machine learning</i> , Proceedings of the International Multiconference on Computer Science and Information Technology, IMCSIT 2009: 735-741, Mragowo, Poland, 12-14 October 2009. IEEE 2009	30/4	7.5
		Dragos Gavrilut, Mihai Cimpoesu, Dan Anton, and Liviu Ciortuz, Malware Detection Using Perceptrons and Support Vector Machines, 2009 Computation World: Future Computing, Service Computation, Cognitive, Adaptive, Content, Patterns; Athens, Greece ,15-November 20, ISBN: 978-0-7695-3862-4 (http://www.computer.org/portal/web/csdl/doi/10.1109/ComputationWorld.2009.85)	30/4	7.5
		Dragos Gavrilut, Liviu Ciortuz: <i>Dealing with Class Noise in Large Training Datasets for Malware Detection</i> . SYNASC 2011: 401-407, IEEE Computer Society Press	30/2	15
		Gavrilut Dragos , Cristina Vatamanu and Benchea Razvan; <i>Practical optimizations for perceptron algorithms in large malware datasets.</i> ; SYNASC 2012, IEEE Computer Society Press	30/3	10
		Gavrilut Dragos , Cristina Vatamanu and Benchea Razvan; <i>Optimized zero false positives perceptron training for malware detection.</i> ; SYNASC 2012, IEEE Computer Society Press	30/3	10
		Marius Barat, Bogdan Prelipcean, Dragos Gavrilut: An Automatic Updating Perceptron-Based System for Malware Detection, SYNASC, 2013	30/3	10
		Doina Cosovan, Razvan Benchea, Dragos Gavrilut: A Practical Guide for Detecting JavaScript-based Malware using Hidden Markov Models and Linear Classifiers, SYNASC, 2014	30/3	10
		Barat Marius, Dumitru Bogdan Prelipcean, Dragos Gavrilut: A Practical Approach on Cleaning-Up Large Data Sets, SYNASC, 2014	30/3	10
		Benchea Razvan, Dragos Gavrilut: Combining Restricted Boltzmann Machine and One Side Perceptron for Malware Detection, International Conference on Conceptual Structures, Graph-Based Representation and Reasoning: 21st International Conference on Conceptual Structures, ICCS 2014, Iasi, Romania, July 27-30, 2014, Proceeding	30/2	15
		Adrian Popescu, Bogdan Prelipcean, Dragos Gavrilut: A Study on Techniques for Proactively Identifying Malicious URLs, SYNASC 2015	30/3	10

	Cristina Vatamanu, Dragos Gavrilut, Razvan Benchea, Henri Luchian: Feature Extraction using Genetic Programming with Applications in Malware Detection, SYNASC 2015	30/4	7.5
	Prelipceanu Bogdan, Popescu Adrian, Dragos Gavrilut: Improving Malware Detection Response Time with Behavior-Based Statistical Analysis Techniques, SYNASC 2015	30/3	10
	Dan Anton, Dragos Gavrilut, Alexandru Baetu and Adrian Popescu: Detecting malicious URLs. A semi-supervised machine learning system approach, SYNASC 2016	30/4	7.5
	Dragos Gavrilut, George Popoiu and Mihai-Razvan Benchea: Identifying DGA-based botnets using network anomaly detection, SYNASC 2016	30/3	10
10. Contracte de cercetare în mediul de afaceri și sectorul public: în firme multi-naționale	- CIPSEC – Enhancing Critical Infrastructure Protection with innovative SECurity framework Horizon 2020, (responsabil proiect din partea Bitdefender) – Mai.2016 – Aprilie.2019 , 1.653.750 RON (aprox. >350.000 Euro)	100 puncte la 100.000 EUR	200.00
	- B-Have pentru dispozitive mobile, PN CDI 2, Mai.2013 – Aprilie.2015, 7.185.669 RON (aprox. >1.500.000 Euro)	100 puncte la 100.000 EUR	1500.00
12. Citari si recenzii ale lucrarilor stiintifice in Reviste de specialitate din strainatate: (10+20*factor de impact)/numar autori, pentru fiecare citare, respectiv (5*20+factor de impact)/numar autori pentru reviste de specialitate din tara	Lucrarea: A Practical Guide for Detecting JavaScript-based Malware using Hidden Markov Models and Linear Classifiers din 2014 cu 3 autori citata in ICCP Semi-automated verdicts assignment for potentially malicious programs, Intelligent Computer Communication and Processing (ICCP),	(10+20x0)/3	3.33
	Lucrarea: Combining Restricted Boltzmann Machine and One Side Perceptron for Malware Detection din 2014 cu 2 autori citata in DIMVA MtNet: a multi-task neural network for dynamic malware classification, DIMVA 2016 Proceedings of the 13th International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment - Volume 9721	(10+20x0)/2	5.00
	Lucrarea: Building a Practical and Reliable Classifier for Malware Detection din 2013 cu 3 autori citata in JCV A token-based authentication security scheme for Hadoop distributed file system using elliptic curve cryptography, Journal of computer virology (2015)	(10+20x0)/3	3.33
	Lucrarea: Building a Practical and Reliable Classifier for Malware Detection din 2013 cu 3 autori citata in Int J Pattern Recogn An Ensemble Cost-Sensitive One-Class Learning Framework for Malware Detection, International Journal of Pattern Recognition and Artificial Intelligence (2015)	(10+20x0)/3	3.33
	Lucrarea: The Proactivity of Perceptron Derived Algorithms in Malware Detection din 2012 cu 3 autori citata in JCV A token-based authentication security scheme for Hadoop distributed file system using elliptic curve cryptography, Journal of computer virology (2015)	(10+20x0)/3	3.33
	Lucrarea: The Proactivity of Perceptron Derived Algorithms in Malware Detection din 2012 cu 3 autori citata in ISJN A threat monitoring system in enterprise networks with smart mobiles, International Journal of Security and Networks	(10+20x0)/3	3.33
	Lucrarea: A Practical Approach on Clustering Malicious PDF Documents din 2012 cu 3 autori citata in ICCP Locality-sensitive hashing optimizations for fast malware clustering, Intelligent Computer Communication and Processing (ICCP),	(5+10x0)/3	1.67
	Lucrarea: A Practical Approach on Clustering Malicious PDF Documents din 2012 cu 3 autori citata in ISSN: 01674048 Detection of malicious PDF files and directions for enhancements: A state-of-the art survey, Computers & Security, Volume 48, February 2015, Pages 246–266	(10+20x0)/3	3.33
	Lucrarea: A Practical Approach on Clustering Malicious PDF Documents din 2012 cu 3 autori citata in JCV Modeling discovery and removal of security vulnerabilities in software system using priority queueing models, Journal of computer virology (2014)	(10+20x0)/3	3.33
	Lucrarea: A Practical Approach on Clustering Malicious PDF Documents din 2012 cu 3 autori citata in JCV Malware clustering using suffix trees, Journal of computer virology (2016)	(10+20x0)/3	3.33
	Lucrarea: A Practical Approach on Clustering Malicious PDF Documents din 2012 cu 3 autori citata in JCV A study on the service quality of SMEs management consulting affecting the perceived management performance in mobile communication environments, Journal of computer virology (2014)	(10+20x0)/3	3.33
	Lucrarea: Optimized Zero False Positives Perceptron Training for Malware Detection din 2012 cu 3 autori citata in ISSN: 16155262 Malware detection using bilayer behavior abstraction and improved one-class support vector machines, International Journal of Information Security (2016)	(10+20x1.279)/3	11.86
	Lucrarea: Malware Detection Using Perceptrons and Support Vector Machines din 2009 cu 4 autori citata in JCV Eigenvalue analysis for metamorphic detection, Journal of computer virology (2014)	(10+20x0)/4	2.50
	Lucrarea: Malware Detection Using Perceptrons and Support Vector Machines din 2009 cu 4 autori citata in AISec Better Malware Ground Truth: Techniques for Weighting Anti-Virus Vendor Labels, AISec 15 Proceedings of the 8th ACM Workshop on Artificial Intelligence and Security	(10+20x5.243)/4	28.72
	Lucrarea: Malware Detection Using Perceptrons and Support Vector Machines din 2009 cu 4 autori citata in DIMVA Reviewer Integration and Performance Measurement for Malware Detection, DIMVA 2016	(10+20x0)/4	2.50

		Lucrarea: Malware Detection Using Perceptrons and Support Vector Machines din 2009 cu 4 autori citata in ISC Using Machine Language Model for Mimimorphic Malware Detection, Information Security, 17th International Conference, ISC 2014, Hong Kong, China, October 12-14, 2014. Proceedings	(10+20x1.279)/4	8.90
		Lucrarea: Malware Detection Using Perceptrons and Support Vector Machines din 2009 cu 4 autori citata in IC-AI Malware Detection with Computational Intelligence, Proceedings on the International Conference on Artificial Intelligence (ICAI)	(10+20x0)/4	2.50
		Lucrarea: Malware Detection using Machine Learning din 2009 cu 4 autori citata in IAS Ensemble based categorization and adaptive model for malware detection, Information Assurance and Security (IAS), 2011 7th International Conference on	(10+20x0)/4	2.50
		Lucrarea: Malware Detection using Machine Learning din 2009 cu 4 autori citata in ICSTW (ICST) Generic Approach for Security Error Detection Based on Learned System Behavior Models for Automated Security Tests, Software Testing, Verification and Validation Workshops (ICSTW), 2013 IEEE Sixth International Conference on	(10+20x0)/4	2.50
		Lucrarea: Malware Detection using Machine Learning din 2009 cu 4 autori citata in CAISE Evolving Computational Intelligence System for Malware Detection, CAISE 2014 International Workshops, Thessaloniki, Greece, June 16-20, 2014. Proceedings (Advanced Information Systems Engineering Workshops)	(10+20x0)/4	2.50
		Lucrarea: Malware Detection using Machine Learning din 2009 cu 4 autori citata in Acm Comput Surv A Taxonomy of Attacks and a Survey of Defence Mechanisms for Semantic Social Engineering Attacks, ACM Computing Surveys (CSUR) Volume 48 Issue 3, February 2016	(10+20x0)/4	2.50
		Lucrarea: Malware Detection using Machine Learning din 2009 cu 4 autori citata in IJCAI (A*) Interactive Martingale Boosting, International Joint Conference on Artificial Intelligence	(10+20x0)/4	2.50
		Lucrarea: Malware Detection using Machine Learning din 2009 cu 4 autori citata in CAISE Advanced Information Systems Engineering Workshops, CAISE 2014 International Workshops, Thessaloniki, Greece, June 16-20, 2014. Proceedings	(10+20x0)/4	2.50
	11. Brevete	Privacy protection for mobile devices, US 9292694, Application number: 13/837,166, 6 inventatori	100 / 6	16.6
	13. Lucrari sustinute in calitate de invitat la manifestari stiintifice (conferinte, congrese, simpozioane, seminarii si ateliere de lucru)	Invited speaker - Inistia http://www.inista.org/speakers.html Conferinta internationala (tinuta in romania)	10 pct in tara	10
		Invited speaker - GoldSmith university http://www.doc.gold.ac.uk/~mas01ds/dsmc/dsrt/talks.htm Prezentare tinuta la un master de la o universitate din afara tarii	25 pct in afara tarii	25
	19. Participari la manifestari stiintifice	Organizare scoala de vara ECODAM (membru) - 2012 - http://profs.info.uaic.ro/~summerschool/2012/committee.php	Membru 5 pct	5
		Organizare scoala de vara ECODAM (membru) - 2013 - http://profs.info.uaic.ro/~summerschool/2013/committee.php	Membru 5 pct	5
		Organizare scoala de vara ECODAM (membru) - 2014 - http://profs.info.uaic.ro/~summerschool/2014/committee.php	Membru 5 pct	5
		Organizare scoala de vara ECODAM (membru) - 2015 - http://profs.info.uaic.ro/~summerschool/2015/committee.php	Membru 5 pct	5
		Organizare scoala de vara ECODAM (membru) - 2016 - http://profs.info.uaic.ro/~summerschool/summerschool/public/	Membru 5 pct	5
		Organizare EVOLVE 2015 - http://www.evolve-conference.org/2015-tracks-sessions/evolving-from-natural-computing-and-data-mining	Membru 15 pct (international a)	15

Activitate didactica	Materiale suport curs, seminar, lucrari practice si programe analitice	1. Arhitectura calculatoarelor si sisteme de operare - suport pentru seminar si laborator 2. Practica Hardware - suport laborator 3. Securitatea S.O. si sisteme malitioase - suport de laborator 4. Sisteme de operare distribuite - suport de laborator 5. Programare orientata obiect - suport de curs 6. Tehnici de programare pe platforma Android - suport de curs 7. Programare in limbajul Python - suport de curs	10 x 7	70
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I. ACTIVITATE DE CERCETARE (70%)	II. ACTIVITATEA DIDACTICA (30%)	FINAL
2119.66	70.00	1504.76

Data

Lect. Dragos Gavrilut