

Anexa 1 Fisa de evaluare generală a standardelor universității						
http://www.uaic.ro/wp-content/uploads/2013/08/1-METODOLOGIA-DE-OCUPARE-POSTURI-DIDACTICE-PER.NEDET_CORECT-07.06.2016-BUN.pdf						
Candidat	ARUSOAIE ANDREI					

2019	AIM: Designing a Language for AI models	Pistol Ionut-Cristian, Andrei Arusoaie	2	International Conference on Knowledge-Based and Intelligent Information & Engineering Systems - KES2019	indexata DBLP	7.5	
2018	Unification Modulo Builtins	Stefan Ciobaca, Andrei Arusoaie, Dorel Lucanu	3	25th Workshop on Logic, Language, Information and Computation	indexata Scopus, DBLP	5	
2017	A certified procedure for RL verification	Andrei Arusoaie, David Nowak, Vlad Rusu, Dorel Lucanu	4	9th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2017 8531277	indexata Scopus, DBLP	3.75	
2017	A comparison of open-source static analysis tools for vulnerability detection in C/C++ Code	Arusoaie Andrei, Ciobaca Stefan, Craciun Vlad, Gavrilut Dragos, Lucanu Dorel	5	19th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2017 8531281	indexata Scopus, DBLP	3	
2016	Proving Reachability-Logic Formulas Incrementally	Vlad Rusu, Andrei Arusoaie	2	Rewriting Logic and Its Applications, WRLA 2016, LNCS 9962	indexata ISI	15	
2015	Verifying Reachability-Logic Properties on Rewriting-Logic Specifications	Dorel Lucanu, Vlad Rusu, Andrei Arusoaie, David Nowak	4	Logic, Rewriting, and Concurrency, LRC 2015, LNCS 9200	indexata ISI	7.5	
2014	Language Definitions as Rewrite Theories	Andrei Arusoaie, Dorel Lucanu, Vlad Rusu, Traian-Florin Serbanuta, Andrei Stefanescu, Grigore Rosu	6	Rewriting Logic and Its Applications, WRLA 2014, LNCS 8663	indexata ISI	5	
2013	A Generic Framework for Symbolic Execution	Andrei Arusoaie, Dorel Lucanu, Vlad Rusu	3	Software Language Engineering - 6th International Conference, SLE 2013 - LNCS 8225	indexata ISI	10	
2013	Engineering Hoare Logic-Based Program Verification in K Framework	Andrei Arusoaie	1	15th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2013	indexata ISI	30	
2012	Making Maude Definitions More Interactive	Andrei Arusoaie, Traian-Florin Serbanuta, Chucky Ellison, Grigore Rosu	4	Rewriting Logic and Its Applications, WRLA 2012, LNCS 7571	indexata Scopus, DBLP	3.75	
2012	Executing Formal Semantics with the K tool	David Lazar, Andrei Arusoaie, Traian-Florin Serbanuta, Chucky Ellison, Radu Mereuta, Dorel Lucanu, Grigore Rosu	7	Formal Methods Europe - FM2012, LNCS 7436	indexata Scopus, DBLP	2.142857143	
2012	Automating Abstract Syntax Tree Construction for Context Free Grammars	Andrei Arusoaie, Daniel Ionut Vicol	2	14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2012	indexata ISI	15	

2010	Augmented Reality	Andrei Arusoae, Alexandru Ionut Cristei, Cristian Chircu, Mihai Andrei Livadariu, Vlad Manea, Adrian Iftene	6	12th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2010	indexata ISI	5	
Total						112.6428571	

9. Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)

contracte internaționale: director: 100p pt fiecare 100000 euro; membru: 100p pt fiecare 100000 euro / nr membri echipa de cercetare
contracte naționale: director: 50p pt fiecare 500000 lei; membru: 50p pt fiecare 500000 lei / nr membri echipa de cercetare

Anul obtinerii/derularii	Nr. Contract	Denumire Contract	Director	Nr. membrilor echipei de cercetare	Valoare contract lei	Punctaj	Observatii
2010/2014	161/15.06.2010, SMIS-CSNR 602-12516	DAK: Un Cadru de Lucru bazat pe Semantica Executabila pentru Proiectarea Riguroasa, Analiza si Testarea Sistemelor	Grigore Rosu, (Dorel Lucanu)	11	4713612	95.22448485	finantare internationala, punctaj calculat relativ la cursul 4.5RON/EUR din 2014
2014/2015	POSDRU 159/1.5/S/137750	Programe doctorale si postdoctorale - suport pentru cresterea competitivitatii cercetarii in domeniul Stiintelor exacte	Gheorghe Aniculaesei	122	7623111.33	6.791795554	bursa POSDRU doctorand contract national
2016/2018	NR. 55BG/2011. 6 / 2016	Creșterea imunității la atacuri Zero-day prin analiză statică	Dorel Lucanu	3	454800	15.16	contract national
2017/2018	06/03.01.2017, cod GI-UAIC-2017-08	Certificarea programelor de calculator utilizând un asistent de demonstrare	Arusoae Andrei	1	40000	4	contract UAIC
Total						121.1762804	

12. Citări și recenzii ale lucrărilor științifice

An citare	Detalii lucrare citată	Nr autori	Detalii lucrare care citează	Revistă / Conferința / Serie	Factor de impact	Punctaj calculat	
2014	Andrei Arusoae, Alexandru Ionut Cristei, Cristian Chircu, Mihai Andrei Livadariu, Vlad Manea, Adrian Iftene: Augmented Reality.	6	Mohammad Reza Mirzaei, Seyed Ghorshi, Mohammad Mortazavi: Audio-visual speech recognition techniques in augmented reality environments	Visual Computer	1.398	6.326666667	

2017	Andrei Arusoaie, Alexandru Ionut Cristei, Cristian Chircu, Mihai Andrei Livadariu, Vlad Manea, Adrian Iftene: Augmented Reality.	6	Hyunwoo Hwangbo, Yang Sok Kim, Kyung Jin Cha: Use of the Smart Store for Persuasive Marketing and Immersive Customer Experiences: A Case Study of Korean Apparel Enterprise	Mobile Information Systems	0.99	4.966666667	
2014	David Lazar, Andrei Arusoaie, Traian-Florin Serbanuta, Chucky Ellison, Radu Mereuta, Dorel Lucanu, Grigore Rosu: Executing Formal Semantics with the K Tool.	7	NEIL SCULTHORPE, NICOLAS FRISBY, ANDY GILL : The Kansas University rewrite engine: A Haskell-Embedded Strategic Programming Language with Custom Closed Universes	Journal of Functional Programming	0.916	4.045714286	
2015	David Lazar, Andrei Arusoaie, Traian-Florin Serbanuta, Chucky Ellison, Radu Mereuta, Dorel Lucanu, Grigore Rosu: Executing Formal Semantics with the K Tool.	7	Musab A. AlTurki, Omar Alzuhaibi: Towards Formal Verification of Orchestration Computations Using the K Framework	FME	0.402	2.577142857	
2014	Andrei Arusoaie, Dorel Lucanu, Vlad Rusu: A Generic Framework for Symbolic Execution.	3	C Rocha, J Meseguer, C Muñoz : Rewriting modulo SMT and open system analysis	LNCS	0.402	6.013333333	
2014	Andrei Arusoaie, Dorel Lucanu, Vlad Rusu: A Generic Framework for Symbolic Execution.	3	D Filaretti, S Maffei: An executable formal semantics of PHP	ECOOP	0.402	6.013333333	
2015	Andrei Arusoaie, Dorel Lucanu, Vlad Rusu: A Generic Framework for Symbolic Execution.	3	Dorel Lucanu, Vlad Rusu: Program equivalence by circular reasoning	Formal Aspects of Computing	0.79	8.6	
2017	Andrei Arusoaie, Dorel Lucanu, Vlad Rusu: A Generic Framework for Symbolic Execution.	3	C Rocha, J Meseguer, C Muñoz : Rewriting modulo SMT and open system analysis	Journal of Logical and Algebraic Methods in Programming	0.659	7.726666667	
2015	Andrei Arusoaie, Dorel Lucanu, Vlad Rusu: A Generic Framework for Symbolic Execution.	3	G Roşu: From rewriting logic, to programming language semantics, to program verification	LNCS	0.402	6.013333333	
2016	Vlad Rusu, Dorel Lucanu, Traian-Florin Serbanuta, Andrei Arusoaie, Andrei Stefanescu, Grigore Rosu: Language definitions as rewrite theories.	6	S Bijo, EB Johnsen, KI Pun, SLT Tarifa: A Maude Framework for Cache Coherent Multicore Architectures	LNCS	0.402	3.006666667	

2017	Vlad Rusu, Dorel Lucanu, Traian-Florin Serbanuta, Andrei Arusoaie, Andrei Stefanescu, Grigore Rosu: Language definitions as rewrite theories.	6	G Caltais, B Meyer : On the verification of SCOOP programs	Science of Computer Programming	0.87	4.566666667	
2017	Vlad Rusu, Dorel Lucanu, Traian-Florin Serbanuta, Andrei Arusoaie, Andrei Stefanescu, Grigore Rosu: Language definitions as rewrite theories.	6	IM Asavae, M Asavae, A Riesco: Context-Updates Analysis and Refinement in Chisel	BDI	0.402	3.006666667	
2017	Vlad Rusu, Dorel Lucanu, Traian-Florin Serbanuta, Andrei Arusoaie, Andrei Stefanescu, Grigore Rosu: Language definitions as rewrite theories.	6	A Riesco, K Ogata, K Futatsugi: A Maude environment for CafeOBJ	Formal Aspects of Computing	0.79	4.3	
2018	Vlad Rusu, Dorel Lucanu, Traian-Florin Serbanuta, Andrei Arusoaie, Andrei Stefanescu, Grigore Rosu: Language definitions as rewrite theories.	6	A Riesco: Model Checking Parameterized by the Semantics in Maude	FLOPS	0.402	3.006666667	
2015	Andrei Arusoaie, Dorel Lucanu, Vlad Rusu: Towards a K Semantics for OCL.	3	G Roşu: From rewriting logic, to programming language semantics, to program verification	LNCS	0.402	6.013333333	
2014	Traian-Florin Serbanuta, Andrei Arusoaie, David Lazar, Chucky Ellison, Dorel Lucanu, Grigore Rosu: The K Primer (version 3.3).	6	PD Mosses, F Vesely: Funkons: Component-based semantics in K	BDI	0.402	3.006666667	
2015	Traian-Florin Serbanuta, Andrei Arusoaie, David Lazar, Chucky Ellison, Dorel Lucanu, Grigore Rosu: The K Primer (version 3.3).	6	MA Alturki, O Alzuhaibi: Towards Formal Verification of Orchestration Computations Using the K Framework	FME	0.402	3.006666667	
2016	Dorel Lucanu, Vlad Rusu, Andrei Arusoaie, David Nowak: Verifying Reachability-Logic Properties on Rewriting-Logic Specifications.	4	S Skeirik, J Meseguer: Metalevel algorithms for variant satisfiability	LNCS	0.402	4.51	

2016	Dorel Lucanu, Vlad Rusu, Andrei Arusoaie, David Nowak: Verifying Reachability-Logic Properties on Rewriting-Logic Specifications.	4	S Skeirik, J Meseguer: Metalevel algorithms for variant satisfiability	Journal of Logical and Algebraic Methods in Programming	0.659	5.795
2016	Dorel Lucanu, Vlad Rusu, Andrei Arusoaie, David Nowak: Verifying Reachability-Logic Properties on Rewriting-Logic Specifications.	4	M Alpuente, D Pardo, A Villanueva: Symbolic Abstract Contract Synthesis in a Rewriting Framework	BDI	0.402	4.51
2015	Traian-Florin Serbanuta, Andrei Arusoaie, David Lazar, Chucky Ellison, Dorel Lucanu, Grigore Rosu: The K Primer (version 3.3).	6	D Park, A Stefănescu, G Roșu: KJS: A complete formal semantics of JavaScript	ACM SIGPLAN Notices	0.445	3.15
2014	Traian-Florin Serbanuta, Andrei Arusoaie, David Lazar, Chucky Ellison, Dorel Lucanu, Grigore Rosu: The K Primer (version 3.3).	6	CE Chirita, TF Serbanuta: An Institutional Foundation for the K Semantic Framework.	BDI	0.402	3.006666667
2016	Andrei Arusoaie, Dorel Lucanu, Vlad Rusu: Symbolic execution based on language transformation.	3	Maria Alpuente, Daniel Pardo, Alicia Villanueva: Symbolic Abstract Contract Synthesis in a Rewriting Framework	LOPSTR	0.402	6.013333333
Total						109.1811905

An	Titlu articol recenzat	Autori	Revista	Factor de impact	Punctaj
2019	Programming and Symbolic Computation in Maude	Francisco Duran , Steven Eker, Santiago Escobar, Narciso Marti-Oliet, Jose Meseguer, Ruben Rubio, Carolyn Talcott	Journal of Logic and Algebraic Programming	0.659	23.18
Total					23.18
Total					132.3611905

13. Lucrari sustinute in calitate de invitat la manifestari stiintifice (congrese, simpozioane, semi

An	Prezentare	Titlu lucrare stiintifica	Denumire Conferinta	Punctaj
2015	A Generic Framework for Symbolic Execution	Andrei Arusoaie, Stefan Ciobaca, Dorel Lucanu, Grigore Rosu, Vlad Rusu, Traian-Florin Serbanuta: Program Logics and their Applications	Congresul Matematicienilor Romani, CMR 2015	10

Total				10			
14. Profesor/cercetator invitat la universitati/institute de cercetare							
Anul publicării	Locatie	Perioada	Tema de cercetare	Punctaj			
2011	INRIA, doctorand	1.10.2011 - 15.11.2011	OCL Semantics	25			
2013	INRIA, doctorand	1.07.2013 - 30.07.2013	Reachability Logic Verification	25			
Total				50			
19. Participari la manifestari stiintifice							
Anul desfasurarii	Eveniment	Tip activitate	Link	Punctaj			
2011	Workshop: Topics on the K framework	membru organizare	https://fmse.info.uaic.ro/event/workshop-topics-on-the-k-framework/	15			
2011	K 2011	membru organizare	https://fmse.info.uaic.ro/event/k-workshop-2011/	15			
2012	SSLF 2012	membru organizare	https://fmse.info.uaic.ro/event/summer-school-on-language-frameworks-2012/	15			
2016	RoCHI 2016	membru organizare	http://rochi2016.utcluj.ro/organizers/	15			
2017	FROM 2017	membru organizare	https://unibuc.ro/conferinta-working-formal-methods-symposium-from-2017-la-facultatea-de-matematica-si-informatica-a-universitatii-din-bucuresti/	15			
	FROM 2018	membru organizare	https://fmse.info.uaic.ro/event/from-2018/	15			
Total				90			
II. ACTIVITATEA DIDACTICĂ (30%)							
3. Materiale suport curs, seminar, lucrari practice si programe analitice detaliate							
Disciplina	Punctaj						
Principiile limbajelor de programare - curs	10						
Principiile limbajelor de programare - laborator	10						
Programare functionala - laborator	10						
Logica pentru informatica - curs	10						
Logica pentru informatica - seminar	10						
Introducere in .NET - curs	10						
Total	60						