

Universitatea OVIDIUS din Constanta
 Facultatea de Matematica si Informatica
 Departamentul de Matematica si Informatica
Lect. dr. RUSU ANDREI

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

1. Cercetări funcționale în logici demonstraționale.

B. Cărți si capitole în cărți publicate în ultimii 10 anii

1. CRENGUȚĂ, Mădălina-Bogdan; **RUSU, Andrei**; CHELAI, Ozten; NICOLA, Aurelian. Medii virtuale multimodale distribuite / Dorin Mircea Popovici (coord.). București: Universitaria; ProUniversitaria, 2014. Vol. 1. 354 p. ISBN 978-606-26-0050-1; 978-606-14-0834-4.
2. POPOVICI, Dorin Mircea (coord), ZAHARESCU, Eugen, **RUSU, Andrei**, PUCHIANU, Mădălina Crenguța, SBURLAN, Dragoș, Medii virtuale multimodale distribuite, Vol. 3, 2015, Craiova: Ed. Universitaria, București: Ed. ProUniversitaria, ISBN 978-606-14-0916-7, ISBN 978-606-26-0280-2, ISBN 978-606-26-0049-5
3. CUCIUREANU, Gheorghe, COJOCARU, Igor, COJOCARU, Irina, ȚURCAN, Nelly, GRECU, Mihai, ROȘCA, Alfreda, **RUSU, Andrei**, CUJBA, Rodica, COȘULEANU, Ion, UNGUREANU, Elena, MINCIUNĂ, Vitalie. Știința deschisă în Republica Moldova: Studiu = Open science in the Republic of Moldova: Study. Chișinău: Institutul de Dezvoltare a Societății Informaționale, 2018, 264 p. ISBN 978-9975-3220-3-4, eISBN 978-9975-3220-4-1.
4. Indicatori cercetare-dezvoltare 2020: Studiu privind asigurarea suportului metodologic pentru monitorizarea indicatorilor Strategiei de Cercetare-Dezvoltare a Republicii Moldova până în anul 2020 / [Autori: Igor Cojocaru, Rodica Cujba, Nelly Țurcan, Vitalie Minciună, Gheorghe Cuciureanu, Ion Holban, Cristina Antoci, Alfreda Roșca, Mihai Grecu, **Andrei Rusu**, Irina Cojocaru, Viorica Botnaru, Elizaveta Lemeț, Mihail Guzun, Elena Ungureanu]; Inst. de Dez-voltare a Soc. Informaționale. – Ed. a 2-a, rev. și com-pl. – Chișinău: Institutul de Dezvoltare a Societății Informaționale, 2018. – 72 p, ISBN 978-9975-3220-0-3.
5. **RUSU, Andrei**, RUSU, Elena. On Algorithms Related to Expressibility of Functions of Diagonalizable Algebras. In: Hořková-Mayerová, Š., Flaut, C., Maturo, F. (eds) Algorithms as a Basis of Modern Applied Mathematics. Studies in Fuzziness and Soft Computing, vol 404, 2021, Springer, Cham., pp. 257-277, https://doi.org/10.1007/978-3-030-61334-1_13, ISBN: 978-3-030-61334-1, MR4214758

C. Lucrări indexate ISI/BDI publicate în ultimii 10 anii

1. POPOVICI, Dorin Mircea (coord), ZAHARESCU, Eugen, **RUSU, Andrei**, PUCHIANU, Mădălina Crenguța, SBURLAN, Dragoș, Medii virtuale multimodale distribuite, Vol. 3, 2015, Craiova: Ed. Universitaria, București: Ed. ProUniversitaria, ISBN 978-606-14-0916-7, ISBN 978-606-26-0280-2, ISBN 978-606-26-0049-5

2. **RUSU, Andrei**, RUSU, Elena. On some classes of formulas in S5 which are pre-complete relative to existential expressibility. In: Computer Science Journal of Moldova, 2023, vol. 31, nr. 3(93), pp.395-408. ISSN 1561-4042. DOI: <https://doi.org/10.56415/csjm.v31.21>, **MR4702904**, **Zbl07855722**,
3. **RUSU, Andrei**; RUSU, Elena. "An algorithm for detection of ultraweak completeness of the systems of formulas in a provability logic of propositions." In: ROMAI J. 14.2 (2018), pp. 139–154. issn: 18415512. url: <https://www.rj.romai.ro/arhiva/2018/2/Rusu-Rusu.pdf>. **MR4018936**
4. IZBASH, Olga; **RUSU, Andrei**. "On the absence of finite approximation relative to model completeness in propositional provability logic." English. In: Bul. Acad. Ştiinţe Repub. Mold., Mat. 2015.3(79) (2015), pp. 110–113, issn: 10247696. url: www.math.md/publications/basm/issues/y2015-n3/12125/. **Zbl 1351.03059**
5. **RUSU, Andrei**, RUSU, Elena. Maximal Slupecki Iterative Algebras of the 4-valued Diagonalizable Algebras and Related Algorithms. In: Proceedings of the Conference on Mathematical Foundations of Informatics MFOI-2019, July 3-6, 2019, Iasi, Romania, Iaşi: Editura Universităţii „Al. I. Cuza”, 2019, ISBN: 978-606-714-481-9, p.159-170, **MR4641317** http://mfoi2019.info.uaic.ro/PDF/MFOI2019_Volume.pdf,
6. **RUSU, Andrei**, RUSU Elena. On computer aided knowledge discovery in logic and related areas. In: Conference on Mathematical Foundations of Informatics, Institutul de Matematică şi Informatică, 25-30 iulie 2016, Chişinău. Chişinău: Tipografia "Valinex" SRL, 2016, pp. 299-306. ISBN: 978-9975-4237-4-8. **MR3601388**

D. Lucrări publicate în ultimii 10 anii în reviste şi volume de conferinţe cu referenţi (neindexate)

- Reviste

1. ROTARU, Igor; **RUSU, Andrei**. Measuring passenger satisfaction in urban public transport in Chisinau. Journal of Engineering Sciences, 2024, 4: 33-54, ISSN 2587-3474. DOI: [https://doi.org/10.52326/jes.utm.2024.31\(4\).03](https://doi.org/10.52326/jes.utm.2024.31(4).03),
2. COJOCARU, Igor, ROŞCA, Alfreda, GUZUN, Mihail, **RUSU, Andrei**. Menţinerea şi dezvoltarea infrastructurii publice de cercetare şi inovare. In: Akademos. 2017, nr.4(47), pp. 20-26. ISSN 1857-0461.
3. ȚURCAN, Nelly, **RUSU, Andrei**, CUIBA, Rodica. Study on the Mapping of Research Data in the Republic of Moldova in the Context of Open Science. In: International Journal of Advanced Statistics and IT&C for Economics and Life Sciences. 2019, vol. 9, nr. 1, pp. 13-24. eISSN 2067-354X.

- Selecție cu maximum 20 lucrări în volume de conferințe

1. **RUSU, Andrei**; RUSU, Elena. On functionally complete systems of formulas containing paraconsistent negation in a simple paraconsistent logic. In: Научное обеспечение развития АПК в условиях импортозамещения: сборник научных трудов по материалам международной научно-практической конференции "Приоритеты развития АПК в условиях цифровизации и структурных изменений национальной экономики", Издательско-полиграфический комплекс Санкт-Петербургского государственного аграрного университета, Санкт-Петербург, СПбГАУ. – СПб., 2021, ISBN 978-5-85983-362-7, pp. 508-511. <https://www.elibrary.ru/item.asp?id=46600137>,

https://drive.google.com/file/d/1bFMOTVsdeSr4FoYs6HxtlJ8m8ca38sd/view?usp=drive_link

2. **RUSU, Andrei**, RUSU, Elena. On weak-functionally complete systems of formulas containing paraconsistent negation in a paraconsistent logic. In: International Conference on Intelligent Information Systems. 4-5 decembrie 2020, Chişinău. Chişinău: "VALINEX" SRL, 2020, pp. 170-175. ISBN 978-9975-68-415-6. https://ibn.idsi.md/vizualizare_articol/116217
3. **RUSU, Andrei**, RUSU, Elena. On some pre-complete relative to positive expressibility classes of formulas in the 8-valued para-consistent extension of the logic S5. In: Workshop on Intelligent Information Systems. 19-21 octombrie 2023, Chişinău. Chişinău, Moldova: Valnex, 2023, pp. 199-206. ISBN 978-9975-68-492-7.. https://ibn.idsi.md/vizualizare_articol/192243
4. **RUSU, Andrei**, RUSU, Elena. A simple CAD System for Faculty Timetabling Design. In: *International Conference dedicated to the 60th anniversary of the foundation of the Vladimir Andrunachievici Institute of Mathematics and Computer Science, MSU: Proceedings of the International Conference IMCS-60, MSU*, October 10-13, 2024, Chisinau, pp. 361-364. ISBN: 978-9975-68-515-3, https://www.math.md/imcs60/combined_IMCSv7_with_preface.pdf.
5. RUSU, Andrei, RUSU, Elena, Utilizare GeoGebra în LaTeX, In: Creative collaboration through supportive technologies (ICCCST 2015), coord. Eugen Petac, Ed. Matrix Rom, Bucuresti, 2015, pp. 48-53 (ISBN: 978-606-25-0202-7)
6. RUSU, Andrei, RUSU, Elena, Utilizare GeoGebra în LaTeX, In: Creative collaboration through supportive technologies (ICCCST 2015), coord. Eugen Petac, Ed. Matrix Rom, Bucuresti, 2015, pp. 48-53 (ISBN: 978-606-25-0202-7)
7. RUSU, Andrei, RUSU, Elena. On e-Infrastructure for SSO in R&D and education organizations of Republic of Moldova. In: Proceedings of the 5th International Conference "Telecommunications, Electronics and Informatics". May 20-23, 2015, Chişinău, Moldova. Chişinău: Ed. Tehnica-UTM, 2015, pp. 294-295. ISBN 978-9975-45-377-6
8. RUSU, Andrei, RUSU Elena. On computer aided knowledge discovery in logic and related areas. In: Conference on Mathematical Foundations of Informatics, Institutul de Matematică şi Informatică, 25-30 iulie 2016, Chişinău. Chişinău: Tipografia "Valinex" SRL, 2016, pp. 299-306. ISBN: 978-9975-4237-4-8.
9. RUSU, Andrei, RUSU, Elena. On existential expressibility of formulas in the simplest non-trivial super-intuitionistic propositional logic. In: The 4th Conference of Mathematical Society of Moldova CMSM4'2017, June 28-July 2017. Chisinau, 2017, pp. 153-156. ISBN 978-9975-71-915-5
10. COJOCARU, Igor, ROŞCA, Alfreda, RUSU, Andrei, GUZUN, Mihail. Public Research and Innovation Infrastructure of the Republic of Moldova: Challenges and Opportunities. In: *Lucrările Conferinţei "CEE eDem and eGov Days 2018"*, 3-4 mai 2018. Budapesta, 2018, pp. 421-430, doi: 10.24989/ocg.v33i.35. ISBN 978-3-903035-14-0.
11. CUJBA, Rodica; RUSU Andrei. On interoperability of research information based on CERIF in the Republic of Moldova. In: Proceedings of the Conference on

Mathematical Foundations of Informatics MFOI2018, July 2-6, 2018, Chisinau, Republic of Moldova. ISBN 978-9975-4237-7-9.

12. RUSU, Andrei, ȚURCAN, Nelly, CUJBA, Rodica, GRECU, Mihai. Research data in the context of open science: Case of the Republic of Moldova. In: NEMESLAKI, András et al. (Eds). Proceedings of the Central and Eastern European E|Dem and E|Gov Days, May 2-3, 2019, Budapest. Vien: Austrian Computer Society, 2019, pp. 319-328. ISBN 978-3-903035-24-9. DOI: 10.24989/ocg.v335.26.
13. RUSU, Andrei; RUSU, Elena. On completeness as to $\neg$ -expressibility in a 4-valued provability logic. In: *Proceedings IMCS-55 The Fifth Conference of Mathematical Society of the Republic of Moldova*. 28 septembrie - 1 octombrie 2019, Chișinău. Chișinău, Republica Moldova: Tipografia Valinex, 2019, pp. 142-145. ISBN 978-9975-68-378-4.

E. Brevete obținute în întreaga activitate

Data: 11.05.2025

Semnătura:



E – Brevete (pentru întreaga activitate)