A N E X A 5

UNIVERSITATEA „AUREL VLAICU” DIN ARAD
Facultatea de Ştiinţe Exacte
Domeniul de licenţă Informatică
Programul de studii : Informatică

TABEL PRIVIND INDEPLINIREA INDICATORULUI

„Cadrele didactice titulare* au pregătirea iniţială, sunt doctori / doctoranzi şi cercetează în domeniul în care se includ disciplinele din postul ocupat.”

Nr. crt.	Gradul didactic, numele şi prenumele titularului vârsta / vechimea în învăţământul superior	Disciplinele din cadrul programului de studii incluse în postul didactic şi tipul activităţii desfăşurate (curs, seminar, lucrări, proiect)	Competenţa cadrului didactic titular în disciplinele din postul didactic			Constatări privind îndeplinirea indicatorului
			Universitatea/ facultatea/ specializarea absolvită	Specializarea la masterat/ doctorat	Numărul de cărţi, numărul de lucrări ştiinţifice, numărul de brevete în domeniul disciplinelor din postul didactic ** conform Anexelor 5.1, 5.2 etc	
1.	Prof. univ. dr. Moț Ghiocel 62 / 39	Fundamentele algebrice ale informaticii, curs	Universitatea ”Babeș-Bolyai” Cluj-Napoca / Facultatea de Matematica-Informatica	Doctor în Matematică	1. G. Moț, C. L. Mihiț, *Algebra. Seminar and course support*, “Aurel Vlaicu” Univ. Publishing House Arad, 2019, 162 pagini, ISBN: 978-973-752-809-4. 2. G. Moț, A. Petruşel, *Local Fixed Point Theorems for Graphic Contractions in Generalized Metric Spaces*, Theory and Applications of Mathematics & Computer Science, 8(1), 2018, 1-5. 3. C. L. Mihiț, G. Moț, G. Petruşel, *Ćirić-Type Operators and Common Fixed Point Theorems*, Mathematics 10 (2022), 1947.	Îndeplinit
		Ecuații diferențiale și cu derivate parțiale, curs			1. G. Moț, A. Petruşel, *Local Fixed Point Theorems for Graphic Contractions in Generalized Metric Spaces*, Theory and Applications of Mathematics & Computer Science, 8(1), 2018, 1-5. 2. G. Moț, A. Petruşel, *On Iseki' strict fixed point*	

					theorem, Linear and Nonlinear Anal. 4 (2018), no. 1, 105–115. 3. C. L. Mihiț, G. Moț, A. Petrușel, *Fixed Point Theory for Multi-Valued Feng-Liu-Subrahmanyan Contractions*, Axioms 11 (2022), No. 10, 1-9.	
		Geometrie computațională, curs și laborator			1. Teza de doctorat: „Unele implicații ale teoriei generale a convexității în geometrie", Universitatea „Babeş Bolyai" Cluj Napoca, 1999, conducător ştiinţific prof. dr. Elena Popoviciu 2. G. Moț**,** L. Popa, *Algebră liniară. Geometrie analitică și diferențială*, Ed. Univ. "Aurel Vlaicu" Arad, 2015, 160 pagini, ISBN 978-973-752-715-8. 3. G. Moț, A. Petrușel, *On Iseki' strict fixed point theorem*, Linear and Nonlinear Anal. 4 (2018), no. 1, 105–115. 4. C. L. Mihiț, G. Moț, G. Petrușel, *Ćirić-Type Operators and Common Fixed Point Theorems*, Mathematics 10 (2022), 1947.	
2.	Prof. dr. Mariana Nagy 62 /29	Baze de date, curs	Universitatea „Politehnica" Timișoara / Facultatea de Automatizări și calculatoare	Doctor inginer	1. Teza: Stocarea energiei solare. Prelucrarea informatică a bazelor de date provenind din energetica solară. (1996) 2. J.L. Miranda, M.Nagy, M.Casquilho, Decision Making and Robust Optimization for Medicines Shortages in the Pharmaceutical Supply Chains, (Chapter 7 in Advanced Studies in Multi-Criteria Decision Making), Chapman and Hall / CRC Press, New York, 2019, p.123-146 3. R.Mareş, M.Nagy, R.I.Moraru, On the maintenance times of the work equipment in a representative manufacturing company, 18th International Multidisciplinary Scientific GeoConference SGEM 2018, SGEM 2018 Conference Proceedings, pp.619-624 – proceedings 4. T.B. Gavrila, S.H. Hoara, M.Nagy, Insertion on	Îndeplinit

					the labor market of the higher education graduates. A case study in Romania, 5th International Multidisciplinary Scientific Conference on SOCIAL Sciences and Arts SGEM2018, pp.437-442 – proceedings 5. M. Nagy, J.L. de Miranda, N. Popescu-Bodorin, Decision Making and Robust Optimization for Information Systems Oriented to Emergency Events, Journal of Computer, Communication & Control, vol.19, 6, 2024	
		Sisteme de gestiune a bazelor de date			1. J.L. Miranda, M.Nagy, M.Casquilho, Decision Making and Robust Optimization for Medicines Shortages in the Pharmaceutical Supply Chains, (Chapter 7 in Advanced Studies in Multi-Criteria Decision Making), Chapman and Hall / CRC Press, New York, 2019, p.123-146 2. M. Nagy, J.L. de Miranda, N. Popescu-Bodorin, Decision Making and Robust Optimization for Information Systems Oriented to Emergency Events, Journal of Computer, Communication & Control, vol.19, 6, 2024 3. M.Nagy D.Negru. S.Hoară, Detecting broncho-pulmonaty cancer clusters in Arad County, Science and Innovation for Local and global Development, Proceedings of the International Conference, Szent Istvan Egyetem Publ. House, Békéscsaba, 2015, p.76-82 4. E.D.Popovici, D.G.Negru, T.Olariu, M.Nagy, S.Dinu, G.Oprisan, L.Zota, L.M.Baditoiu, Application of the susceptible–infected–recovered deterministic model in a GII.P17 emergent norovirus strain outbreak in Romania in 2015, Infection and Drug Resistance, 2019, 12, pp. 2543—2551 5. R.Mareș; M.Nagy, I.Radu, Using the event tree analysis in the investigation of a work accident, 9th International Symposium on Occupational	

					Health and Safety – SESAM 2019, October 3rd 2019, Petrosani, Romania	
3.	Prof.univ.dr. Sorin Nădăban 57/34	Calcul diferențial și integral	Universitatea de Vest Timișoara / Facultatea de Matematică Informatică / Matematică	Doctorat în Matematică	**1.S. Nădăban**, D. Deac, (2024). Fuzzy Functional Analysis—A General View. In: Balas, V.E., Dzemyda, G., Belciug, S., Kacprzyk, J. (eds) Decision Making and Decision Support in the Information Era. Studies in Systems, Decision and Control, vol 534. Springer, Cham. https://doi.org/10.1007/978-3-031-62158-1_17 **2.S. Nădăban**, S. Dzitac, I. Dzitac, *Fuzzy Normed Linear Spaces*. In: Shahbazova S., Sugeno M., Kacprzyk J. (eds) Recent Developments in Fuzzy Logic and Fuzzy Sets. Studies in Fuzziness and Soft Computing, vol 391. Springer, 2020. **3.S. Nădăban,** *Fuzzy Continuous Mappings on Fuzzy F-Spaces*, Mathematics **2022**, *10*, 3746. 4.T. Binzar, F. Pater, **S. Nădăban**, *Fixed-Point Theorems in Fuzzy Normed Linear Spaces for Contractive Mappings with Applications to Dynamic-Programming*, Symmetry*, 14,* **2022**, 1966. **5.S. Nădăban**, *Fuzzy pseudo-norms and fuzzy F-spaces*, Fuzzy Sets and Systems, **282 (2016)**, 99–114.	Îndeplinit
		Algoritmica grafurilor, curs			1. B. Stanojevic, **S. Nădăban***, Empiric solutions to full fuzzy linear programming problems using the generalized "min" operator,* Mathematics **2023,** 11, 4864. 2. S. Dzitac, **S. Nădăban,** Soft computing for decision-making in fuzzy environments: A tribute to professor Ioan Dzitac, Mathematics, 9(14), **2021**, 1701. 3. B. Stanojevic, M. Stanojevic, **S. Nădăban,** Reinstatement of the extension principle in approaching mathematical programming with fuzzy numbers, Mathematics, 9(11), **2021**, 1272.	

					4. S. Nădăban, *Some fundamental properties of fuzzy linear relations between vector spaces*, Filomat, **30(1) (2016)**, 41-53. 5.L. Popa, L. Sida, **S. Nădăban**, I. Dzitac**,** *Why Need for Fuzzy Logic in High School?,* Proceedings of the International Symposium „Research and Education in an Innovation Era", 7th Edition, Arad, May 17th-20th, 2018, pag. 100-104.	
		Probabilități și statistică, curs			**1.S. Nădăban**, *Fuzzy Logic and Soft Computing—Dedicated to the Centenary of the Birth of Lotfi A. Zadeh (1921–2017)*, *Mathematics*, 10, **2022**, 3216. **2.S. Nădăban,** *From Classical Logic to Fuzzy Logic and Quantum Logic: A General View,* International Journal of Computers Communications & Control, 16(1) **2021**. 3.L. Popa, L. Sida, **S. Nădăban**, I. Dzitac**,** *Why Need for Fuzzy Logic in High School?,* Proceedings of the International Symposium „Research and Education in an Innovation Era", 7th Edition, Arad, May 17th-20th, 2018, pag. 100-104.	
4.	Prof. univ. dr. Bucerzan Dominic 69/35	Criptografie, curs	Universitatea de Vest din Timişoara/ Facultatea de Ştiinţele Naturii/ Informatică	Masterat în Informatică de Gestiune /Doctorat în Cibernetică și Statistică Economică	1. Bucerzan, D., Bejan, C.A. (2021). "Blockchain. Today Applicability and Implications". In: Balas, V., Jain, L., Balas, M., Shahbazova, S. (eds) Soft Computing Applications. SOFA . Advances in Intelligent Systems and Computing, vol 1221. Springer, Cham. https://doi.org/10.1007/978-3-030-51992-6_13 2. Dominic Bucerzan, Vlad Dragoi, Tania Richmond. The simple roots problem. Proceedings of the Romanian Academy, Series A, 2017, Volume 18 (Special issue 2017, Cryptology Science), pp. 317-332, https://acad.ro/sectii2002/proceedings/doc2017-4s/03artSupl.pdf	Îndeplinit

					3.Bucerzan D., Dragoi V., Kalachi H.T. (2017) Evolution of the McEliece Public Key Encryption Scheme. In: Farshim P., Simion E. (eds). SecITC 2017. Lecture Notes in Computer Science, vol 10543. Springer, Cham,, ISBN: 978-3-319-69283-8, https://doi.org/10.1007/978-3-319-69284-5_10, https://link.springer.com/chapter/10.1007/978-3-319-69284-5_10 4. C. Raţiu, D. Bucerzan, M.J. Manolescu, "SmartSteg: A New Android Based Steganography Application" E -ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicata in 2013 WOS:000324844700004 , Factor de impact IF=0.694 5. D. Bucerzan, M. Crăciun, V. Chiş, C. Raţiu, "Stream Ciphers Analysis Methods", International Journal of Computers Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 5(4):pag. 483-489, 2010, Factor de impact IF=0,65 WOS:000314077300055 http://www.dzitac.ro/files/ioan/IJCCC_contents_2006_2011.pdf 6. D. Bucerzan, "A cryptographic algorithm based on a pseudorandom number generator", 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Published by IEEE Computer Society, ISBN: 978-0-7695-3523-4, DOI: 10.1109/SYNASC.2008.45, pag.453-456, 2009 WOS:000274363300074 *http://doi.ieeecomputersociety.org/10.1109/SYNASC.2008.45*	

5.	Prof. dr. ing. Beiu Valeriu 69 / 42	Algoritmi fundamentali, curs	Universitatea Politehnica Bucureşti / Facultatea de Automatizări şi Calculatoare / Calculatoare Universitatea Catolică Leuven / Facultatea de Ştiinţe Aplicate / Ştiinţe Aplicate King's College London şi Los Alamos National Lab / Reţele Neuronale	Masterat: Calculatoare Doctorat: Ştiinţe Aplicate Postdoc: Reţele Neuronale	1. V.-F. Dragoi and V. Beiu, Which Coefficients Matter Most – Consecutive-k-out-of-n:F Systems Revisited, *IEEE Trans. Reliab.*, vol. 73, no. 3, pp. 1633–1646, Sep. 2024. https://doi.org/10.1109/TR.2024.3353908 2. V.-F. Dragoi and V. Beiu, Fast Reliability Ranking of Matchstick Minimal Networks, *Networks*, vol. 79, no. 4, pp. 479–500, Jun. 2022. https://doi.org/10.1002/net.22064 3. V.-F. Dragoi and V. Beiu, Studying the Binary Erasure Polarization Subchannels Using Network Reliability, *IEEE Comm. Lett.*, vol. 24, no. 1, Jan. 2020, pp. 62–66. https://doi.org/10.1109/LCOMM.2019.2947910 4. V. Beiu, and L. Daus, Reliability Bounds for Two Dimensional Consecutive Systems, *Nano Communication Networks*, vol. 6, no. 3, Sep. 2015, pp. 145–152. https://doi.org/10.1016/j.nancom.2015.04.003 5. L. Daus, and V. Beiu, Lower and Upper Reliability Bounds for Consecutive-k-out-of-n:F Systems, *IEEE Transactions on Reliability*, vol. 64, no. 3, Sep. 2015, pp. 1128–1135. https://doi.org/10.1109/TR.2015.2417527	Îndeplinit
		Medii și instrumente de programare,curs			1. M. Nagy, S. R. Cowell, and V. Beiu, On the Construction of 3D Fibonacci Spirals, *Mathematics*, vol. 12, no. 2, art. 201 (pp. 1–19), Jan. 2024. https://doi.org/10.3390/math12020201 2. M. Nagy, S. R. Cowell, and V. Beiu, Survey of Cubic Fibonacci Identities When Cuboids Carry Weight, *Intl. J. Comp. Comm. & Ctrl.*, vol. 17, no. 2, art. 4616 (pp. 1–20), Apr. 2022. https://doi.org/10.15837/ijccc.2022.2.4616	

					3. V.-F. Dragoi, S. R. Cowell, and V. Beiu, Four Input Sorter Good, Larger Ones Not So Good, *IEEE Trans. Nanotech.*, vol. 20, pp. 775–783, Sep. 2021. https://doi.org/10.1109/TNANO.2021.3113731 4. S. R. Cowell, M. Nagy, and V. Beiu, A Proof of a Generic Fibonacci Identity from Wolfram's MathWorld, *Theory and Applications of Mathematics & Computer Science*, vol. 8, no. 1, Apr. 2018, pp. 60–63. https://www.uav.ro/jour/index.php/tamcs/article/view/2251	
		Managementul proiectelor informatice, curs			1. M. Jianu, L. Daus, V.-F. Dragoi, and V. Beiu, The Roots of the Reliability Polynomials of Circular Consecutive-k-out-of-n:F Systems, *Mathematics*, vol. 11, no. 20, art. 4252 (pp. 1–12), Oct. 2023. https://doi.org/10.3390/math11204252 2. M. Jianu, L. Daus, V.-F. Dragoi, and V. Beiu, Reliability Polynomials of Consecutive-k-out-of-n:F Systems Have Unbounded Roots, *Networks*, vol. 82, no. 3, pp. 222–228, Oct. 2023. https://doi.org/10.1002/net.22168 3. V. Beiu, L. Daus, M. Jianu, A. Mihai, and I. Mihai, On a Surface Associated with Pascal's Triangle, *Symmetry*, vol. 14, art. 411 (pp. 1–12), Feb. 2022. https://doi.org/10.3390/sym14020411 4. V.-F. Dragoi, S. R. Cowell, V. Beiu, S. Hoara, and P. Gaspar, How Reliable Are Compositions of Series and Parallel Networks Compared with Hammocks?, *Intl. J. Comp. Comm. & Ctrl.*, vol. 13, no. 5, Oct. 2018, pp. 772–791. https://doi.org/10.15837/ijccc.2018.5.3354 5. S. R. Cowell, V. Beiu, L. Daus, and P. Poulin,	

					On the Exact Reliability Enhancements of Small Hammock Networks, *IEEE Access*, vol. 6, no. 1, Apr. 2018, pp. 25411–25426. https://doi.org/10.1109/ACCESS.2018.2828036	
6.	Conf. univ.dr. Crina Anina BEJAN 41/17	Fundamentele programării, curs	Universitatea de Vest din Timișoara/ Facultatea de Ştiinţe Economice/ Informatică Economică	Masterat în Informatică de Gestiune / Titlul de doctor în Cibernetică și Statistică	1. Bucerzan D., Raţiu C., "Reliable Metrics for Image LSB Steganography on Mobile Platforms", Proceedings of the 7th International Workshop on Soft Computing Applications SOFA 2016, 24-26 August, Arad, Romania, Advances in Intelligent Systems and Computing (ISSN: 2194-5357), Springer, 2016 2. D. Bucerzan, C. Raţiu, "Image Processing with Android Steganography" Soft Computing Application – Advances in Intelligent Systems and Computing, SpringerInternational Publishing, Proceedings of 6th International Workshop on Soft Computing Applications (SOFA 2014),Volume 1, eBook ISBN 978-3-319-18296-4, ISBN 978-3-319-27178-1, DOI 10.1007/978-3-319-27179-8, pag. 27-36, Publicata in 2015, http://www.springer.com/gp/book/9783319182957 3. Bucerzan D., Bejan C.A. (2021) "Blockchain. Today Applicability and Implications". In: Balas V., Jain L., Balas M., Shahbazova S. (eds) Soft Computing Applications. SOFA 2018. Advances in Intelligent Systems and Computing, vol 1221. Springer, Cham, Print ISBN 978-3-030-51991-9, https://doi.org/10.1007/978-3-030-51992-6_13 4. Crina Anina Bejan, Dominic Bucerzan, "Challenges of Securing Digital Information", Proceeding of the 17th International Conference on Informatics in Economy (ISSN: 2247 – 1480), Education, Research & Business	Îndeplinit

					Technologies, pag. 337-342, 2018 5. Dominic Bucerzan, Crina Anina Bejan, „Current Threats of Digital Information Technologies”,Proceedings of The International Symposium Research and Education in Innovation Era Arad, 7th Edition, ISREIE 2018, Mathematics&Computer Science ISSN 2065 2569, pag. 6-11, 2018 6. Dominic Bucerzan, Crina Anina Bejan, “Wallet Key Management in Blockchain Technology“, Proceedings of the IE 2020 International Conference, ISSN 2284-7472, Bucharest University of Economic Studies Press, Bucharest, Romania	
		Structuri de date, curs			1. Bejan, C. A., Muntean, M., Bucerzan, D., & Stoian, C. D. (2024, May). Considerations About the Regulatory Framework of Cryptocurrency. In International Conference on Informatics in Economy (pp. 159-171). Singapore: Springer Nature Singapore. DOI: 10.1007/978-981-99-6529-8_14 2. Bucerzan D., Raţiu C., “Reliable Metrics for Image LSB Steganography on Mobile Platforms“, Proceedings of the 7th International Workshop on Soft Computing Applications SOFA 2016, 24-26 August, Arad, Romania, Advances in Intelligent Systems and Computing (ISSN: 2194-5357), Springer, 2016 3. Bucerzan D., Bejan C.A. (2021) “Blockchain. Today Applicability and Implications”. In: Balas V., Jain L., Balas M., Shahbazova S. (eds) Soft Computing Applications. SOFA 2018. Advances in Intelligent Systems and Computing, vol 1221. Springer, Cham, Print ISBN 978-3-030-51991-9, https://doi.org/10.1007/978-3-030-51992-6_13 4. Crina Anina Bejan, Dominic Bucerzan,	

					”Challenges of Securing Digital Information”, Proceeding of the 17th International Conference on Informatics in Economy (ISSN: 2247 – 1480), Education, Research & Business Technologies, pag. 337-342, 2018 5. Dominic Bucerzan, Crina Anina Bejan, „Current Threats of Digital Information Technologies”,Proceedings of The International Symposium Research and Education in Innovation Era Arad, 7th Edition, ISREIE 2018, Mathematics&Computer Science ISSN 2065 2569, pag. 6-11, 2018 6. Dominic Bucerzan, Crina Anina Bejan, “Wallet Key Management in Blockchain Technology“, Proceedings of the IE 2020 International Conference, ISSN 2284-7472, Bucharest University of Economic Studies Press, Bucharest, Romania	

		Dezvoltarea aplicațiilor mobile, curs			1. Bucerzan D., Raţiu C., "Reliable Metrics for Image LSB Steganography on Mobile Platforms", Proceedings of the 7th International Workshop on Soft Computing Applications SOFA 2016, 24-26 August, Arad, Romania, Advances in Intelligent Systems and Computing (ISSN: 2194-5357), Springer, 2016 2. C. Raţiu, D. Bucerzan, "Secure E-Business Solution for Mobile Platform" Proceedings of the 15th International Conference on INFORMATICS in ECONOMY (IE 2016) Education, Research & Business Technologies, Bucharest University of Economic Studies Press, Cluj-Napoca, Romania, pag.51-57, 2016, ISSN: 2284-7472, ISSN-L: 2247-1480 3. Bucerzan D., Raţiu C., "Testing methods for the efficiency of modern steganography solutions for mobile platforms", 2016 6th International Conference on Computers Communications and Control (ICCCC), IEEE Xplore, 10-14 Mai 2016, Oradea, România, ISBN:978-1-5090-1735-5, DOI: 10.1109/ICCCC.2016.7496734, http://ieeexplore.ieee.org/abstract/document/7496734/ 4. D. Bucerzan, C. Raţiu , „Contributions to Steganographic Techniques on Mobile Devices" Innovative Security Solutions for Information Technology and Communications , 8th International Conference, SECITC 2015, Bucharest, Romania, June 11-12, 2015. Revised Selected Papers, pag. 242-252, eBook ISBN 978-3-319-27179-8, ISBN 978-3-319-27178-1	

		Concepte de afaceri în IT			1. Bejan Crina Anina, Bucerzan Dominic, Crăciun Mihaela Daciana „Bitcoin price evolution versus energy consumption; trend analysis", 2022, Applied Economics, Routledge, doi: 10.1080/00036846.2022.2097194 2. Bejan, C. A., Muntean, M., Bucerzan, D., & Stoian, C. D. (2024, May). Considerations About the Regulatory Framework of Cryptocurrency. In International Conference on Informatics in Economy (pp. 159-171). Singapore: Springer Nature Singapore. DOI: 10.1007/978-981-99-6529-8_14 Stoian, Camelia Daciana, Dominic Bucerzan, Radu Nicolae Stoian, Catalin Raul Halic & Crina Anina Bejan, „Artificial Intelligence Act and GDPR: Implications for AI Solution Developers and Users in Romania", in Devetzis, Dimitrios, Dana Volosevici & Leonidas Sotiropoulos (eds.), Digital Lawscapes: Artificial Intelligence, Cybersecurity and the New European Order, ADJURIS – International Academic Publisher, Bucharest, Paris, Calgary, 2025, p. 162-177. DOI: https://doi.org/10.62768/ADJURIS/2025/3/09	
7.	Conf. dr. Barna Cornel 67/25	Arhitectura sistemelor de calcul, curs	Universitatea Politehnica Timisoara / Facultatea de Automatizari și Calculatoare/ Calculatoare	Doctorat in Știința calculatoarelor	1. Cornel Barna, M.Bălaș, *Using CCD Cameras for Car Following Algorithms,* IEEE International Symposium on Industrial Electronics ISIE, June 20-23, Duvrovnik Croaţia 2005, pag.57-62, WOS:000235418900010 2. Cornel Barna, *Localization system using video and PIR information fusion* , 2-nd IEEE International Workshop on Soft Computing Applications SOFA 2007 Gyula-Oradea Hungary-Romania,pag.21 WOS:000249888900004	Îndeplinit

					3. Cornel Barna, *A video surveillance method based on information granularity*, Edited by: Krope, J; Garbai, L; Kozic, D; et al., Conference: 2nd IASME/WSEAS International Conference on Energy and Environment Location: Portorose, SLOVENIA Date: MAY 15-17, 2007, Proceedings of the 2nd IASME/WSEAS International Conference on Energy & Environment Pages: 219-222 Published: 2007 , WOS:000250334200039	
8.	Conf. dr. Drăgoi Vlad-Florin 41/11	Programare orientată pe obiect, curs	Universitatea Claude Bernard Lyon, Franța / Facultatea de Științe și Tehnologii / Matematică	Masterat in Securitatea Sistemelor de Informații/ Doctorat in Informatica	1. Vlad-Florin Dragoi, Brice Colombier, Nicolas Vallet, Pierre-Louis Cayrel, Vincent Grosso, Full Key-Recovery Cubic-Time Template Attack on Classic McEliece Decapsulation. IACR Transactions on Cryptographic Hardware and Embedded Systems, 2025(1), 367-391. https://doi.org/10.46586/tches.v2025.i1.367-391 2. Vlad-Florin Dragoi, Brice Colombier, Pierre-Louis Cayrel, Vincent Grosso, Integer syndrome decoding in the presence of noise, Cryptography and Communications – Discrete- Structures boolean functions and sequences, vol. 16, no. 5, 2022. https://doi.org/10.1007/s12095-024-00712-3 3. Vlad-Florin Dragoi, Valeriu Beiu, Which Coefficients Matter Most-Consecutive k-Out-of-n:F Systems Revisited, IEEE Transactions on Reliability, vol. 73, no. 3, 2024. https://doi.org/10.1109/TR.2024.3353908 4. Marilena Jianu, Leonard Daus, Vlad-Florin Dragoi, Valeriu Beiu, The Roots of the Reliability Polynomials of Circular Consecutive-k-out-of-n:F Systems, Mathematics, vol. 11, no. 20, 2023.	Îndeplinit

					https://doi.org/10.3390/math11204252 5. Hsin-Po Wang, Vlad-Florin Drăgoi, Fast Methods for Ranking Synthetic BECs, Proc. 2023 IEEE International Symposium on Information Theory (ISIT), Taipei, Taiwan, 2023, pp. 1562-1567. https://doi.org/10.1109/ISIT54713.2023.10206704	
		Automate, calculabilitate și complexitate, curs și laborator			1. Mohammad Rowshan, Vlad–Florin Drăgoi, Jinhong Yuan, Weight structure of low/high-rate polar codes and its applications, Proc. 2024 IEEE International Symposium on Information Theory (ISIT), Athens, Greece, 2024, pp. 2945-2950. https://doi.org/10.1109/ISIT57864.2024.10619618 2. Vlad-Florin Drăgoi, Mohammad Rowshan, Jinhong Yuan, On the Closed-Form Weight Enumeration of Polar Codes: 1.5d -Weight Codewords, IEEE Transactions on Communications, vol. 72, no. 10, pp. 5972-5987, Oct. 2024 https://doi.org/10.1109/TCOMM.2024.3394749 3. Marilena Jianu, Leonard Daus, Vlad-Florin Dragoi, Valeriu Beiu, The Roots of the Reliability Polynomials of Circular Consecutive-k-out-of-n:F Systems, Mathematics, vol. 11, no. 20, 2023. https://doi.org/10.3390/math11204252 4. Vincent Grosso, Pierre-Louis Cayrel, Brice Colombier, Vlad-Florin Dragoi, Punctured Syndrome Decoding Problem Efficient Side-Channel Attacks Against Classic McEliece, Constructive Side-channel Analysis and Secure Design (COSADE), 2023. https://doi.org/10.1007/978-3-031-29497-6_9	

9.	Conf. dr. Beniamin Bogoșel 37/13	Metode avansate de programare, curs	Universitatea de Vest Timișoara / Facultatea de Matematică / Matematică	Masterat în Modelizare Analitică și Geometrică/ Doctorat in Matematică Aplicată	1. B. Bogosel, Efficient algorithm for optimizing spectral partitions, Applied Mathematics and Computation, 333, 61-75, 2018 https://doi.org/10.1016/j.amc.2018.03.087 2. B. Bogosel, D. Bucur, I. Fragala, Phase field approach to optimal packing problems and related Cheeger clusters, Applied Mathematics and Optimization, 81, 63-87, 2020 https://doi.org/10.1007/s00245-018-9476-y 3. B. Bogosel, E. Oudet, Longest minimal length partitions, Interfaces and Free Boundaries, 24(1), 95-135, 2022 https://doi.org/10.4171/ifb/468 4. B. Bogosel, G. Buttazzo, E. Oudet, On the numerical approximation of Blaschke–Santaló diagrams using Centroidal Voronoi Tessellations, ESAIM: Mathematical Modelling and Numerical Analysis, 58(1), 393-420, 2024 https://doi.org/10.1051/m2an/2023092 5. B. Bogosel, Numerical Shape Optimization among Convex Sets, Applied Mathematics and Optimization, 87(1), 2023 https://doi.org/10.1007/s00245-022-09920-w	Îndeplinit
		Tehnici avansate de programare, curs			1. B. Bogosel, Efficient algorithm for optimizing spectral partitions, Applied Mathematics and Computation, 333, 61-75, 2018 https://doi.org/10.1016/j.amc.2018.03.087 2. B. Bogosel, D. Bucur, I. Fragala, Phase field approach to optimal packing problems and related Cheeger clusters, Applied Mathematics and Optimization, 81, 63-87, 2020	

					https://doi.org/10.1007/s00245-018-9476-y 3. B. Bogosel, E. Oudet, Longest minimal length partitions, Interfaces and Free Boundaries, 24(1), 95-135, 2022 https://doi.org/10.4171/ifb/468 4. B. Bogosel, G. Buttazzo, E. Oudet, On the numerical approximation of Blaschke–Santaló diagrams using Centroidal Voronoi Tessellations, ESAIM: Mathematical Modelling and Numerical Analysis, 58(1), 393-420, 2024 https://doi.org/10.1051/m2an/2023092 5. B. Bogosel, Numerical Shape Optimization among Convex Sets, Applied Mathematics and Optimization, 87(1), 2023 https://doi.org/10.1007/s00245-022-09920-w	
		Tehnici de optimizare, curs			1. P. Antunes, B. Bogosel, Optimization of the Steklov-Lamé eigenvalues with respect to the domain, Journal of Differential Equations, 426, 1-35, 2025 https://doi.org/10.1016/j.jde.2025.01.043 2. B. Bogosel, D. Bucur, I. Fragala, The nonlocal isoperimetric problem for polygons: Hardy–Littlewood and Riesz inequalities, Matematische Annalen, 389, 1835-1882, 2024 https://doi.org/10.1007/s00208-023-02683-x 3. G. Allaire, M. Bihr, B. Bogosel and M. Godoy, Accessibility constraints in structural optimization via distance functions, Journal of Computational Physics, 484, 2023 https://doi.org/10.1016/j.jcp.2023.112083 4. P. Antunes, B. Bogosel, Parametric shape	

					optimization using the support function, Computational Optimization and Applications, 82, 107-138, 2022 https://doi.org/10.1007/s10589-022-00367-x 5. B. Bogosel, E. Oudet, Partitions of Mimimal Length on Manifolds, Experimental Mathematics, 2017 https://doi.org/10.1080/10586458.2016.1223570	
		Modelare și simulare			1. G. Allaire, B. Bogosel, Optimizing supports for additive manufacturing, Structural and Multidisciplinary Optimization, 58, 2493-2515, 2018 https://doi.org/10.1007/s00158-018-2125-x 2. G. Allaire, M. Bihr, B. Bogosel, Support optimization in additive manufacturing for geometric and thermo-mechanical constraints, Structural and Multidisciplinary Optimization, 61, 2377-2399, 2020 https://doi.org/10.1007/s00158-020-02551-1 3. G. Allaire, B. Bogosel, M. Godoy, Topology optimization of supports with imperfect bonding in additive manufacturing, Structural and Multidisciplinary Optimization, 65, 2022, https://doi.org/10.1007/s00158-022-03284-z 4. G. Allaire, B. Bogosel, M. Godoy, Shape optimization of an imperfect interface: steady-state heat diffusion, Journal of Optimization Theory and Applications, 191, 169-201, 2021 https://doi.org/10.1007/s10957-021-01928-6 5. B. Bogosel, T. Giletti, A. Tellini, Propagation for KPP bulk-surface systems in a general cylindrical domain, Nonlinear Analysis, 2021	

					https://doi.org/10.1016/j.na.2021.112528	
10.	Conf. dr. Popa Lorena 50/27	Geometrie computațională, curs	Universitatea de Vest din Timișoara / Facultatea de Matematică / Matematică-Fizică	Doctorat în Matematică	1. L. POPA, Geometrie -Teorie și probleme, Editura Mirton, Timișoara, 2020, ISBN 978-973-52-1947-5, (202 pag) 2. L.POPA, *Centroid-Induced Ranking of Triangular Picture Fuzzy Numbers and Applications in Decision-Making, Symmetry,* 16 (11), 1492, 2024. 3. L.POPA, L. SIDA, S. NĂDĂBAN, *Matrix representations of fuzzy quaternion numbers*, Theory and Applications of Mathematics & Computer Science, 7(1), 59-71, 2017. 4. L. SIDA, L. POPA, S. NĂDĂBAN, *On fuzzy quaternion numbers*, Proceedings of the International Symposium "Research and Education in Innovation Era",6th Edition, Universitatea Aurel Vlaicu din Arad, 8-10 decembrie 2016, Section Matematics and Computer Science, Editura Universităţii Aurel Vlaicu din Arad, pag. 116-119.	Îndeplinit
		Cercetări operaționale, curs și laborator			1. L. POPA, *A new ranking method for trapezoidal intuitionistic fuzzy numbers and itsapplication to multi-criteria decision making, International Journal of Computers Communications & Control*, 18(2), 5118, 2023. 2. L.POPA, *Centroid-Induced Ranking of Triangular Picture Fuzzy Numbers and Applications in Decision-Making, Symmetry,* 16 (11), 1492, 2024. 3. P. GAȘPAR, L. POPA, *Stochastic Mappings and Random Distribution Fields : A correlation approach,* Monatshefte fur Mathematik, vol 188, pp.87-107, 2019. 4. L. POPA, L. SIDA, S. NĂDĂBAN, I. DZITAC, *Why Need for Fuzzy Logic in High School?*, Proceedings of the International Symposium "Research and Education in Innovation Era",7th Edition, Universitatea Aurel Vlaicu din Arad,	

					17-20 mai 2018, Section Matematics and Computer Science, Editura Universităţii Aurel Vlaicu din Arad, pag. 100-104. 5. L. POPA, L. SIDA, S. NĂDĂBAN, *Matrix representations of fuzzy quaternion numbers*, Theory and Applications of Mathematics & Computer Science, 7(1), 59-71, 2017.	
11.	Lect. dr. Sida Lavinia 53 / 27	Logică matematică și computațională, curs și laborator	Universitatea de Vest din Timișoara / Facultatea de Matematică Informatică / Matematică	Masterat in Informatică de gestiune/ Masterat in Analiza neliniară aplicată în mecanica fluidelor / Doctorat în matematică	1. *Anul 2022 [1] Logică şi teoria numerelor*, *suport curs şi seminar pentru studenţi*, Suport de curs destinat studenţilor din anul I, Programul de studii Matematică informatică, 2022 2. L. POPA, L. SIDA., *Fuzzy Inner Product Space: Literature Review and a New Approach,* Mathematics, Vol. 9, nr. 7, 2021, doi:10.3390/math9070765 3. L. POPA, L. SIDA, S. NĂDĂBAN, I. DZITAC, *Why Need for Fuzzy Logic in High School?*, Proceedings of the International Symposium "Research and Education in Innovation Era",7th Edition, Universitatea Aurel Vlaicu din Arad, 17-20 mai 2018, Section Matematics and Computer Science, Editura Universităţii Aurel Vlaicu din Arad, pag. 100-104.	Îndeplinit
		Redactare și comunicare științifică, curs			1. Popa, L., Sida, L., Nădăban,S *Matrix Representations of Fuzzy Quaternion Numbers*, Theory and Applications of Mathematics & Computer Science, 7(1) (2017), 59-71, ISSN 2247–6202. 2. L. POPA, L. SIDA., *Fuzzy Inner Product Space: Literature Review and a New Approach,* Mathematics, Vol. 9, nr. 7, 2021, doi:10.3390/math9070765	

12.	Lect. dr. Deac Dan-Stelian 56/31	Calcul numeric, curs și laborator	Universitatea de Vest din Timișoara / Facultatea de Matematică	Doctorat în matematică Master în IASTE	1. S. Dzitac, H.Oros, **D. Deac**, S. Nadaban, Fixed Point Theory in Fuzzy Normed Linear Spaces: A General View. INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Online ISSN 1841-9844, ISSN-L 1841-9836, Volume: 16, Issue: 6, Month: December, Year: 2021 Article Number: 4587, https://doi.org/10.15837/ijccc.2021.6.4587. 2. Năd ăban, S., **Deac, D.**, Nonstandard Fuzzy Sets: A General View. Intelligent Methods Systems and Applications in Computing, Communications and Control. ICCCC 2022. Advances in Intelligent Systems and Computing, vol 1435, pp 208–218. Springer, Cham. https://doi.org/10.1007/978-3-031-16684-6_17 3. Balazs Albert, Vitalie Vacaras, **Dan Deac**, Titus Petrila, „*Non-Newtonian Mathematical Model and Numerical Simulations for the Blood Flow in Capillary Vessels*”, Jokull Journal, Vol 64, No. 5, pp. 13-22, 2014, ISSN: 0449-0576. *http://jokulljournal.com/issue.php?v=64&i=5* 4. Balazs Albert, Vitalie Vacaras, **Dan Deac**, Titus Petrila, „*Large caliber blood vessel pseudoaneurysm following prosthetic surgery. Mathematical model and numerical considerations*”, Jokull Journal, Vol 64, No. 7, pp. 215-229, 2014, ISSN: 0449-0576. *http://jokulljournal.com/issue.php?v=64&i=7*	Îndeplinit

		Geometrie computațională, laborator			1. Nădăban, S., **Deac, D.**, Nonstandard Fuzzy Sets: A General View. Intelligent Methods Systems and Applications in Computing, Communications and Control. ICCCC 2022. Advances in Intelligent Systems and Computing, vol 1435, pp 208–218. Springer, Cham. https://doi.org/10.1007/978-3-031-16684-6_17 2. Balazs Albert, Vitalie Vacaras, **Dan Deac**, Titus Petrila, „*Non-Newtonian Mathematical Model and Numerical Simulations for the Blood Flow in Capillary Vessels*”, Jokull Journal, Vol 64, No. 5, pp. 13-22, 2014, ISSN: 0449-0576. *http://jokulljournal.com/issue.php?v=64&i=5* 3. Balazs Albert, Vitalie Vacaras, **Dan Deac**, Titus Petrila, „*Large caliber blood vessel pseudoaneurysm following prosthetic surgery. Mathematical model and numerical considerations*”, Jokull Journal, Vol 64, No. 7, pp. 215-229, 2014, ISSN: 0449-0576. *http://jokulljournal.com/issue.php?v=64&i=7*	
13.	Lect. dr. Gabor Andrei Marius 56 /16	Sisteme de operare, curs	Universitatea „Politehnica” Timișoara / Facultatea de Electronica si Telecomunicatii	Doctor inginer	1. Competenţe digitale. Ghid pentru examene - Breviar teoretic şi teste practice. Loghin Gaga, Andrei Marius Gabor et al., Editura Viaţa Arădeană, 2015, ISBN: 978-973-161-178-5. 2. Introducere în Cunoașterea Calculatoarelor Electronice, Volumul II, Sisteme de Operare, Loghin Gaga, Andrei Marius Gabor, Cozmin Crăciun, Editura Viața Arădeană 2019. Colecția Cartea Științifică. ISBN: 978-973-161-224-5. 3. Introducere în Cunoașterea Calculatoarelor Electronice, Volumul III, Loghin Gaga, Andrei Marius Gabor, Editura Viața Arădeană 2022. Colecția Cartea Științifică. ISBN: 878-973-161-250-8 4. APLICAȚII ÎN TEHNOLOGIA INFORMAȚIEI ȘI COMUNICAȚIILOR, Loghin GAGA, Andrei Marius GABOR,	Îndeplinit

					Cozmin CRĂCIUN, Oana PLEȘ, Editura Viața Arădeană 2022. Colecția Cartea Științifică. ISBN: 978-973-161-246-1 5. INIȚIERE ÎN PROGRAMAREA CALCULATOARELOR, Loghin GAGA, Andrei Marius GABOR, Cozmin CRĂCIUN, Editura Viața Arădeană 2022. Colecția Cartea Științifică. ISBN: 978-973-161-252-2 6. Csiki, L., Gabor, A., Popescu, M., & Naaji, A. (2017). Software Application for Disabled Students. BRAIN. Broad Research in Artificial Intelligence and Neuroscience, 8(4), 32-40.	
		Rețele de calculatoare, curs			1. Lecţii de Tehnologia Informaţiei şi Comunicaţiilor, Volumul I. Loghin GAGA, Andrei GABOR, Fabian TRANC, Codrin VLAD, Editura Viața Arădeană 2016, ISBN: 978-973-161-200-3. 2. Introducere în Cunoașterea Calculatoarelor Electronice, Volumul I, Sisteme Electronice de Calcul, Loghin Gaga, Andrei Marius Gabor, Cozmin Crăciun, Editura Viața Arădeană 2018. ISBN: 978-973-161-205 3. Introducere în Cunoașterea Calculatoarelor Electronice, Volumul III, Loghin Gaga, Andrei Marius Gabor, Editura Viața Arădeană 2022. Colecția Cartea Științifică. ISBN: 878-973-161-250-8 4. POPESCU, Marius; GABOR, Andrei; NAAJI, Antoanela. „Simulation, analysis and service quality in carrier voice networks”. In: MATEC Web of Conferences. EDP Sciences, 2016. p. 04020 5. GABOR, Andrei Marius; POPESCU, Marius	

					Constantin; NAAJI, Antoanela. Security Issues Related To E-Learning Education. International Journal of Computer Science and Network Security (IJCSNS), 2017, 17.1: 60. 6. Csiki, L., Gabor, A., Popescu, M., & Naaji, A. (2017). Software Application for Disabled Students. BRAIN. Broad Research in Artificial Intelligence and Neuroscience, 8(4), 32-40.	
		Grafică pe calculator			**1.** Telemedicine Technologies, Andrei Gabor, Marius Popescu, Florin Popa-Iovanut, Antoanela Naaji, Chapter 1 - Mobile Application for Medical Diagnosis, Editor(s): Hemanth D. Jude, Valentina Emilia Balas, Academic Press, 2019, Pages 1-13, ISBN 9780128169483 **2.** INIȚIERE ÎN PROGRAMAREA CALCULATOARELOR. Inițiere în limbajul Python, LOGHIN GAGA, ANDREI MARIUS GABOR, OANA PLEȘ, Editura Viața Arădeană 2023. Colecția Cartea Științifică. ISBN: ISBN: 978-973-161-232-4 **3.** Introducere în Cunoașterea Calculatoarelor Electronice, Volumul III, Loghin Gaga, Andrei Marius Gabor, Editura Viața Arădeană 2022. Colecția Cartea Științifică. ISBN: 878-973-161-250-8 **4.** A.M. Gabor, A. Naaji, "Mobile Visual Search and Augmented Reality: Architecture, Technologies, Based on MPEG Standard", 9th International Technology, Education and Development Conference, Madrid, Spain, ISBN: 978-84-606-5763-7, ISSN: 2340-1079, INTED2015 Proceedings, 2-4 March, 2015,	

					pp. 3337-3342 **5.** Csiki, L., Gabor, A., Popescu, M., & Naaji, A. (2017). Software Application for Disabled Students. BRAIN. Broad Research in Artificial Intelligence and Neuroscience, 8(4), 32-40 **6.** Anju Asokan, J Anitha, Monica Ciobanu, Andrei Gabor, Antoanela Naaji, D Jude Hemanth, Image Processing Techniques for Analysis of Satellite Images for Historical Maps Classification—An Overview, Applied Sciences 10.12 (2020): 4207.4	
14.	Lect. univ. dr. Mihiț Claudia 35 / 9	Calcul diferențial și integral, seminar	Universitatea de Vest din Timișoara / Facultatea de Matematică și Informatică	Doctor în Matematică	1. C. L. Mihiț, M. Lăpădat, *Discrete criteria for the uniform (h,k)-splitting of skew-evolution semiflows*, AIP Conference Proceedings, vol. 1978 (2018), Article No. 390011-1, 1-4. 2. L. E. Biriș, T. Ceaușu, C. L. Mihiț, I.-L. Popa, *Uniform exponential trisplitting-A new criterion for discrete skew-product semiflows*, Electronic Journal of Qualitative Theory of Differential Equations 70 (2019), 1-22. 3. C. L. Mihiț, G. Moț, A. Petrușel, *Fixed Point Theory for Multi-Valued Feng-Liu-Subrahmanyan Contractions*, Axioms 11 (2022), No. 10, 1-9.	Îndeplinit
		Fundamentele algebrice ale informaticii, seminar			1. G. Moț, C. L. Mihiț, *Algebra. Seminar and course support*, "Aurel Vlaicu" Univ. Publishing House Arad, 2019, 162 pagini, ISBN: 978-973-752-809-4. 2. C. L. Mihiț, M. Megan, *Integral characterizations for the (h,k)-splitting of skew-evolution semiflows*, Studia Universitatis Babeș-Bolyai Mathematica 62 (2017), No. 3, 353-365. 3. C. L. Mihiț, G. Moț, G. Petrușel, *Ćirić-Type Operators and Common Fixed Point Theorems*, Mathematics 10 (2022), 1947.	

		Ecuații diferențiale și cu derivate parțiale, seminar			1. C. L. Mihiț, *On uniform polynomial trichotomy of skew-evolution semiflows*, Carpathian Journal of Mathematics 38 (2022), No. 3, 809-816. 2. C. L. Mihiț, *On uniform logarithmic dichotomy of discrete skew-evolution semiflows*, Analele Universității de Vest din Timișoara, Seria Matematică-Informatică 58 (2022), fasc. 2, 49-55. 3. C. L. Mihiț, G. Moț, A. Petrușel, *Fixed Point Theory for Multi-Valued Feng-Liu-Subrahmanyan Contractions*, Axioms 11 (2022), No. 10, 1-9.	
15.	Lect. dr. Crăciun Mihaela-Daciana 53 / 23	Inteligenţă artificială, curs și laborator	Universitatea de Vest din Timișoară / Facultatea de Matematică / Specializarea Informatică	Doctorat în Inginerie Energetică	1. Bejan, C.A., Bucerzan, D., Crăciun, M.D. (2023). Perspectives of Cryptocurrency Price Prediction. In: Ciurea, C., Pocatilu, P., Filip, F.G. (eds) Education, Research and Business Technologies. Smart Innovation, Systems and Technologies, vol 321. Springer, Singapore. https://doi.org/10.1007/978-981-19-6755-9_27 2. Crina Anina Bejan, Dominic Bucerzan, Mihaela Daciana Crăciun, "Bitcoin price evolution versus energy consumption; trend analysis", Applied Economics Journal ISSN: 0003-6846, Published: Taylor & Francis Online on 13 Iulie 2022, https://doi.org/10.1080/00036846.2022.2097194 3. Bărbulescu C., Kilyeni Șt., Chiş V., Crăciun M., Simo A., „Daily Load Curve Forecasting. Comparative Analysis: Conventional vs. Unconventional Methods", In: Balas V., Jain L., Balas M., Shahbazova S. (eds.) Soft Computing Applications, SOFA 2018, Advances in Intelligent Systems and Computing, vol . 1221, Springer, pp.3 18 , https://doi.org/10.1007/978-3-030-51992-6_1 4. Crăciun M., Kilyeni St., Bărbulescu C., Meszaros R.G., „Bayesian Network Applications in Power Systems Engineering. A Review", Journal of Sustainable Energy Vol. 8, No. 3, ISSN 2067-5534, pag.99-105, Septembrie 2017,	Îndeplinit

					http://www.energy-cie.ro/archives/2017/nr_3/v8-n3-5.pdf, (EBSCO)	
		Dezvoltarea aplicațiilor Web, curs			1. Bărbulescu C. Kilyeni Șt., Deacu A., Simo A., Crăciun M., „Power Consumption Forecast Quality", Proceedings of the 7th International Conference on Computers Communications and Control (ICCCC 2018), May 8 12, 2018, Oradea, Romania, p.103 110 , DOI: 10.1109/ICCCC.2018.8390445, WOS: 000437157500016, https://ieeexplore.ieee.org/document/8390445 2. Crăciun M., Csorba L.M., „Application of the Fuzzy-Pay-Off Method in the Valuation of a Financial Instrument", Soft Computing Applications. SOFA 2016. Advances in Intelligent Systems and Computing, vol 634, ISSN 2194-5357, pp 235-250, Springer, Cham., 2018, https://doi.org/10.1007/978-3-319-62524-9_19 3. Csorba L.M., Crăciun M. „An Application of the Multi Period Decision Trees in the Sustainable Medical Waste Investments", Soft Computing Applications. SOFA 2016. Advances in Intelligent Systems and Computing, vol 634, ISSN 2194-5357, pag.540-556, Springer, Cham., 2018, https://doi.org/10.1007/978-3-319-62524-9_40 4. D. Manaţe, M. Crăciun, E. Horváth-Balta, I. Horváth-Balta, „A Literature Review Fuzzy Pay-Off-Method – A Modern Approach in Valuation", Journal of Economics and Business Research - ISSN: 2068 - 3537, E – ISSN (online) 2069 – 9476, ISSN – L = 2068 – 3537, Year XXI, No. 1, 2015, pp. 98-107, https://www.uav.ro/jour/index.php/jebr/article/view/437	
16.	Lect. univ.dr. Ică Raluca 42/0	Probabilități și statistică (seminar)	Universitatea de Vest	Masterat în Optica și	1. **Raluca Ica**, Mirela Sarbu, Roxana Biricioiu, Dragana Fabris, ŽeljkaVukelićand, Alina D.	Îndeplinit

			Timișoara/ Facultatea de Fizică/Fizică Informatică	Spectroscopia materialelor LASER/ Doctorat in Fizică	Zamfir, Novel Application of Ion Mobility Mass Spectrometry Reveals Complex Ganglioside Landscape in Diffuse Astrocytoma Peritumoral *Regions Int. J. Mol. Sci.* **2025**, 26(17), 8433; https://doi.org/10.3390/ijms26178433 2. Mirela Sarbu*, **Raluca Ica***, Alina D Zamfir, Gangliosides as Biomarkers of Human Brain Diseases: Trends in Discovery and Characterization by High-Performance Mass Spectrometry,Int J Mol Sci.**2022** Jan 8;23(2):693. doi: 10.3390/ijms23020693. 3. Radu Albulescu, Andrei J. Petrescu, Mirela Sarbu, A.Grigore, **Raluca Ica**, Cristian V.A. Munteanu, A. Albulescu, Ioana Militaru, Alina D. Zamfir, Stefana Petrescu, C.Tanase, Mass spectrometry for cancer biomarker discovery, IntechOpen, **2019** DOI: 10.5772/intechopen.85609.	
17.	Asist. univ.drd. Petcuț-Lasc Anca-Adriana 36/1	Baze de date, laborator	Universitatea Aurel Vlaicu din Arad / Facultatea de Științe Exacte / Matematică-Informatică	Masterat in Informatică aplicată în științe, tehnologie și economie/ Doctorand în Ingineria Sistemelor (din 2024)	1. Petcut-Lasc Anca-Adriana, Bălaș Valentina Emilia, Petcuț Flavius-Maxim, Analysis of a residential photovoltaic system, Proceedings of the XIV International Conference on Industrial Engineering and Environmental Protection (IIZS 2024) (pp. 198–205). Zrenjanin, Serbia. https://doi.org/10.46793/IIZS24.198PL 2. Petcut-Lasc Anca-Adriana, Bălaș Valentina Emilia, Petcuț Flavius-Maxim, Rotar Raul, Alexuță Daniel, Performance evaluation of a residential photovoltaic system in Matlab Simulink, 2025 IEEE 23rd World Symposium on Applied Machine Intelligence and Informatics (SAMI) (pp. 435–440). IEEE. doi.org/10.1109/SAMI63904.2025.10883312 3. Barna Cornel, Petcut Flavius-Maxim, Petcut-Lasc Anca-Adriana, "Similarity Measurement of Uncertainty in Artificial Neural Networks	Îndeplinit

					Classification," 2025 IEEE 19th International Symposium on Applied Computational Intelligence and Informatics (SACI), Timisoara, Romania, 2025, pp. 000327-000330, https://doi.org/10.1109/SACI66288.2025.11030144 4. Petcut-Lasc Anca-Adriana, Bălaș Valentina Emilia, Petcuț Flavius-Maxim, Barna Cornel, Modelling and identification of two genetic algorithms used for solar cell parameter, 2025 29th IEEE International Conference on Intelligent Engineering Systems (INES) (pp. 21–26). IEEE. http://doi.org/10.1109/INES67149.2025.11078181	
		Sisteme de gestiune a bazelor de date, laborator			1. Petcut-Lasc Anca-Adriana, Bălaș Valentina Emilia, Petcuț Flavius-Maxim, Analysis of a residential photovoltaic system, Proceedings of the XIV International Conference on Industrial Engineering and Environmental Protection (IIZS 2024) (pp. 198–205). Zrenjanin, Serbia. https://doi.org/10.46793/IIZS24.198PL 2. Petcut-Lasc Anca-Adriana, Bălaș Valentina Emilia, Petcuț Flavius-Maxim, Rotar Raul, Alexuță Daniel, Performance evaluation of a residential photovoltaic system in Matlab Simulink, 2025 IEEE 23rd World Symposium on Applied Machine Intelligence and Informatics (SAMI) (pp. 435–440). IEEE. https://doi.org/10.1109/SAMI63904.2025.10883312 3. Barna Cornel, Petcut Flavius-Maxim, Petcut-Lasc Anca-Adriana, "Similarity Measurement of Uncertainty in Artificial Neural Networks Classification," 2025 IEEE 19th International Symposium on Applied Computational Intelligence	

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18.	Asist.univ.drd. ing. Rădulescu Dan-Andrei 44/1	Arhitectura sistemelor de calcul, laborator Sisteme de operare, laborator Rețele de calculatoare, laborator Inteligență artificială, laborator	Universitatea Aurel Vlaicu din Arad / Facultatea de Stiinte Exacte / Informatica Universitatea Aurel Vlaicu din Arad / Facultatea de Inginerie / Automatica si Informatica Aplicata	Masterat in Informatică Aplicata in Stiinte, Tehnologie Masterat in Automatizari si sisteme inteligente / Doctorand in Ingineria Sistemelor	**Teza de doctorat** (în curs de elaborare) "Analiza automată a indicatorilor de risc și performanța în învățământul superior" Universitatea Petrol Gaze din Ploiești Domeniul: INGINERIA SISTEMELOR Coordonator științific: Prof. Univ. Dr. Ing. Habil. Valentina E. Bălaș Gheție, R., Rad, D., Cuc, L. D., & **Rădulescu, D.** (2025). The future of teaching and learning: students' attitudes toward the use of artificial intelligence. Technium Business and Management, 11, 48–54. https://doi.org/10.47577/business.v11i.12455	Îndeplinit
19.	Asist. univ. drd. Ing. Luputi Antonio 31/6	Fundamentele programării, laborator Dezvoltarea aplicațiilor mobile, laborator	Universitatea "Aurel Vlaicu" Arad/ Facultatea de Științe Exacte / Matematică-Informatică; Universitatea "Aurel Vlaicu" Arad/ Facultatea de Inginerie / Automatică și Informatică Aplicată	Universitatea Politehnica Timișoara/ Sisteme Robotice cu Inteligență Artificială	1. A. M. F. Luputi, M. Salinschi, M. Babescu, H. Ciocârlie, The Dependence Between the Optimal Mechanical Angular Speed and the Variable Wind Speed from an Energetic Point of View, REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE, Vol.69, Issue:1, March 2024. 2. A. M. F. Luputi, M. Babescu, H. Ciocârlie, Optimal Energetic Zone of Wind Turbine for Sinusoidal Wind Speed, IEEE 15th SACI, Timișoara (Romania), May 19-21, 2021 1. A. M. F. Luputi, M. Babescu, H. Ciocârlie, The Dependence Between Power of the Electric Generator and Variable Wind Speed, IEEE 16th SACI, Timișoara (Romania), May 25-28, 2022 2. A. Luputi, C. Mnerie, V. -F. Duma, Experimental Setup for an Optical Micrometer with a Polygonal Mirror-based Laser Scanner, IEEE 12th SACI,	Îndeplinit

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