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**Lista de lucrări Facultatea de Științe Exacte
Cadre didactice titulare 2019 - 2025**

A) Cărți

a) Apărute în edituri recunoscute CNCS si internationale

1. G. Moț, C. L. Mihiț, Algebra. Seminar and course support, 2019, “Aurel Vlaicu” Univ. Publishing House Arad.
2. L.POPA, Geometrie -Teorie și probleme, Editura Mirton, Timișoara, 2020, ISBN 978-973-52-1947-5.

b) Coordonarea unor volume colective publicate în edituri recunoscute CNCS si internationale

c) Capitole în cărți

1. João Luís de MIRANDA, Mariana NAGY, Miguel Casquilho, Advanced Studies in Multi-Criteria Decision Making, Decision Making and Robust Optimization for Medicines Shortages in the Pharmaceutical Supply Chains, 2019, CRC Press, Taylor and Francis group.
2. Gabor, A., Popescu, M., Popa-Iovanut, F., & Naaji, A. (2019). Mobile application for medical diagnosis. In Telemedicine Technologies (pp. 1-13). Academic Press.
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B) Articole in extenso, publicate în reviste din fluxul științific internațional principal

a) Articole științifice publicate în reviste de specialitate cotate ISI

1. Vlad Dragoi, Valeriu Beiu, Studying the Binary Erasure Polarization Subchannels Using Network Reliability, IEEE Communication Letters, 24/1, 62--66, 2019.
2. Cristescu G., Awan M.U., Găianu M., Refined Bounds of the Quantum Quadratures within the Class of Distance-Disturbed Convex Functions in Two Dimensions, Filomat 33:3 (2019), 825–836 (ISSN 0354-5180), Filomat, 33:3 (2019), 825–836.
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33. Dana Rad, Lavinia Denisia Cuc, Ramona Lile, Valentina E. Bălaș, Cornel Barna, Mioara Florina Pantea, Silviu Gabriel Szentesi, Corina Graziella Bătcă-Dumitru, Gavril Rad, A cognitive systems engineering approach using unsupervised Fuzzy C-Means technique, exploratory factor analysis and network analysis– a preliminary statistical investigation of the Bean Counter Profiling Scale robustness International journal of environmental research and public health , October 2022, nr.19, <https://doi.org/10.3390/ijerph191912821> WOS:000866955300001 ISI
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b) ISI Proceedings

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25. Vlad-Florin Dragoi, Brice Colombier, Pierre-Louis Cayrel, Vincent Grosso, Punctured Syndrome Decoding Problem Efficient Side-Channel Attacks Against Classic McEliece, International Workshop on Constructive Side-Channel Analysis and Secure Design COSADE 2023, April 3-4, Munich, Germany.
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44. Camelia Daciana STOIAN, Dominic BUCERZAN, Crina Anina BEJAN, Blockchain Technology and Smart Contracts - Public Policy Needed in the Technology Race, Conferința Internațională de Drept al Tehnologiilor Financiare, Spatiului Cibernetic si Inteligentei Artificiale, Nina Gumzej, Olga Sovova (eds.), Recent Debates in Cyberspace and Artificial Intelligence Law, ADJURIS – International Academic Publisher, July 2023, [https://adjuris.ro/reviste/rdca/Recent%20debates%20in%20cyber%20space%20and%20artificial %20intelligence%20law.pdf](https://adjuris.ro/reviste/rdca/Recent%20debates%20in%20cyber%20space%20and%20artificial%20intelligence%20law.pdf)

c) Articole științifice publicate în reviste de specialitate indexate în baze de date internaționale

1. Cristescu G., Drăgoi V.F., Cubic spline approximation of the reliability polynomials of two dual hammock networks, Transylvanian Journal of Mathematics and Mechanics, 11(1-2), 2019, 77-90, 2019.
2. L. E. Biris, T.Ceausu, C.L. Mihit, On uniform exponential splitting of variational nonautonomous difference equations in Banach spaces, Difference Equations, Discrete Dynamical Systems and Applications, Springer Proceedings in Mathematics & Statistics, 287, 2019, 199-213, 2019.
3. M. Megan, C.L. Mihit, R. Lolea, On splitting with different growth rates for linear discrete-time systems in Banach spaces, Difference Equations, Discrete Dynamical Systems and Applications, Springer Proceedings in Mathematics & Statistics, 287, 2019, 351-368, 2019.
4. C.L. Mihit, On some nonuniform dichotomic behaviors of discrete skew-product semiflows, Theory and Applications of Mathematics & Computer Science, 9, 2019, 1-7, 2019.
5. G. Moț, C. L. Mihit, On Orthogonal Polynomials, Theory and Applications of Mathematics & Computer Science, 8(2), 2018, 135-142, 2019.
6. Dominic Bucerzan, Crina Anina Bejan, ON THE CRYPTOECONOMICS EMERGING RESEARCH AREAS, Proceedings of the IE 2019 International Conference, 2019, 2019, 273-278, 2019.

7. MI Yasin, MJ Afzal, S Tayyaba, MW Ashraf, Barna Cornel, Marius Balas (2022) Fuzzy Parametric Estimation of Curvilinear Microchannel for Retinal Vein Occlusion (RVO) In Advances in Intelligent Data Analysis and Applications, 355-362 Springer DOI: 10.1007/978-3-030-51992-6_18 ISBN: 978-9811650352.
8. T. Gyulai, M.Nagy, Zöld és digitális átalakulás tapasztalatai Magyarország és Románia határ régiójában, Proceedings of Válság és kilábalás: innovatív megoldások, 2020
9. Vlad-Florin Dragoi, Hsin-Po Wang, Fast Methods for Ranking Synthetic Bees, International Symposium on Information Theory, ISIT, June 2023, Taipei, Taiwan.
10. Boly Seck, Pierre-Louis Cayrel, Vlad-Florin Dragoi, Idy Diop, Morgan Barbier, Jean Belo Klamti, Vincent Grosso, Brice Colombier, A Side-Channel Attack Against Classic McEliece When Loading the Goppa Polynomial, Progress in Cryptology Africacrypt2023, 19-21 July 2023, Sousse, Tunisia.
11. Mihai Tache, Sorin Hoara, Vlad-Florin Dragoi, Valeriu Beiu, Green AI from Kirchhoff to Shannon, Intelligent Methods Systems and Applications in Computing, Communications and Control. ICCCC 2022. Advances in Intelligent Systems and Computing, vol 1435. Springer, Cham.
12. Leonard Daus, Vlad-Florin Dragoi, Marilena Jianu, Dominic Bucerzan, Valeriu Beiu, On the Roots of Certain Reliability Polynomials, Intelligent Methods Systems and Applications in Computing, Communications and Control. ICCCC 2022. Advances in Intelligent Systems and Computing, vol 1435. Springer, Cham.
13. Vlad-Florin Drăgoi , Andreea Szocs, Structural Properties of Self-dual Monomial Codes with Application to Code-Based Cryptography, Cryptography and Coding. IMACC 2021. Lecture Notes in Computer Science, vol 13129. Springer, Cham.
14. Vlad-Florin Drăgoi, Valeriu Beiu, Consecutive Systems Asymptotic Threshold Behaviors, Soft Computing Applications. SOFA 2020. Advances in Intelligent Systems and Computing, vol 1438. Springer, Cham.
15. Vlad-Florin Dragoi, Alin Tiberiu Lacatus, Alexandru Popoviciu, Combinatorial Algorithms for Integer Syndrome Decoding Problem, Soft Computing Applications. SOFA 2020. Advances in Intelligent Systems and Computing, vol 1438. Springer, Cham.
16. S. M. Grigorescu, A. -M. -F. Lupuți, I. Maniu and E. -C. Lovasz, Novel Planar Parallel Manipulator using Geared Slider-Crank with Linear Actuation as Connection Kinematic Chain, EuCoMeS, 2020
17. A. -M. -F. Lupuți, S. M. Grigorescu, E. -C. Lovasz, C. Sticlaru, I. Cărăbaș, Kinematics of the planar parallel Manipulator using Geared Slider-Crank with linear Actuation as legs 3-R(PRRGR)RR, MTM & Robotics, 2020
18. A. -M. -F. Luputi, E. -C. Lovasz, M. Ceccarelli, C. Sticlaru, A. -M. Stoian, Kinematic Simulation of a Geared Planar Parallel Manipulator, MEDER, 2021

19. 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
20. 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
21. S. Nădăban, Fuzzy quasi-b-metric spaces, Annals of West University of Timisoara - Mathematics and Computer Science, vol.58, no.2, 2022, pp.38-48. <https://doi.org/10.2478/awutm-2022-0015>
22. BUCERZAN, Dominic; BEJAN, Crina Anina. WALLET KEY MANAGEMENT IN BLOCKCHAIN TECHNOLOGY. Education, 2023.

C) Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

1. T. Demjen, E. -C. Lovasz, M. Ceccarelli, C. Sticlaru, A. -M. -F. Luputi, Analytical Synthesis of Five-Bar Linkage used for 3D Printer Structure, IFToMM Italy, 2022
2. Craciun Mihaela, Chis Violeta, Craciun Alexandru „Bayesian Network using R” - International Symposium Research and Education in an Innovation ERA - 8rd Edition, 2019
3. Chis Violeta, Ampwera Brian, Craciun Mihaela, „Text Mining Using R” - International Symposium Research and Education in an Innovation ERA - 8rd Edition, 2019
4. C. Stoica, On evolution cocycles associated to control systems, ATINER’s Conference Paper Series, No: MAT2024-22070038 (2024), ISBN: 978-960-598-636-0
5. C. Stoica, Advances in the study of integral type properties, ATINER’s Conference Paper Series, No: MAT2023-1399010 (2023), ISBN: 978-960-598-571-4
6. C. Stoica, A study in discrete time of trichotomic issues, ATINER’s Conference Paper Series, No: MAT2022-1335030 (2022), ISBN: 978-960-598-502-8
7. C. Stoica, An alternative approach to difference equations by evolution cocycles, ATINER’s Conference Paper Series, No: MAT2021-1009025 (2021), ISBN: 978-960-598-426-7
8. C. Stoica, Modelling with evolution cocycles, ATINER’s Conference Paper Series, No: MAT2020-2017020 (2020), ISBN: 978-960-598-352-9
9. C. Stoica, Current trends in the approach of evolution equations, ATINER’s Conference Paper Series, No: MAT2019-2715028 (2019), ISBN: 978-960-598-275-1

D) Alte lucrări și contribuții științifice

Invited Speakers/ keynotes/plenaries/presentations/lectures

1. R.-M. Beiu, M.M. Balas, V.E. Balas, and V. Beiu, Seeing is Believing, International Summit on Optics, Photonics and Laser Technologies OPTICS&LASERS'19, San Francisco, CA, USA, 3-5 June 2019. <https://unitedscientificgroup.com/conferences/optics-and-lasers-2019/home.php>
2. M. Tache, R.-M. Beiu, and V. Beiu, Where Reliability Gets Ugly – The Devil Is in the Details, International Workshop on Soft Computing Applications SOFA 2020, Virtual conference, November 27-29, 2020. <https://www.sofa-org.eu/2020>
3. R.-M. Beiu, V.-F. Dragoi, and V. Beiu, 3D Hammocks and 2.5D Consecutive – Biology Fine Balancing, International Workshop on Soft Computing Applications SOFA 2020, Virtual conference, November 27-29, 2020. <https://www.sofa-org.eu/2020>
4. R.-M. Beiu, S. Hoara, and V. Beiu, And Now This: Hammocks for Quantum and Photonics, International Workshop on Soft Computing Applications SOFA2020, Virtual conference, November 27-29, 2020 <https://www.sofa-org.eu/2020>
5. Beiu Valeriu, Liceul Pedagogic „Dimitrie Tichindeal,” 16 April 2019
6. Beiu Valeriu, Colegiul National „Vasile Goldis,” 17 April 2019
7. Beiu Valeriu, Colegiul National „Moise Nicoara,” 18 April 2019
8. Beiu Valeriu, Liceul National de Informatica, 18 February 2020
9. Beiu Valeriu, Liceul Teologic Baptist „Alexa Popovici,” 19 February 2020
10. V. Beiu: A Brave New World ... Manufactured with Atomic Precision, International Workshop on Soft Computing Applications (SOFA2022), Arad, Romania, November 21-23, 2022. <https://2022.sofa-org.eu/invited-speakers/>
11. V. Beiu: A(nother) Game of Shadows, International Conference on Computers, Communications and Control (ICCCC2022), Baile Felix, Oradea, Romania, May 16-20, 2022. <https://www.univagora.ro/en/conferinte/icccc/icccc2022/keynote-speakers/>
12. V. Beiu: The Unfolding Road from Dust to Trust, International Conference Advances in 3OM, Timisoara, Romania, December 13-16, 2021. <http://3om-group-optomechatronics.ro/advances-in-3om-conference-2021/plenary-speakers/>
13. V. Beiu: Chips (Shortages), Technology and Taxes, International Students' Scientific Communications Session (SICSS2021), Arad, Romania, June 5, 2021.

14. V. Beiu: Why Reliability Is Such a Nemesis – Rebooting Computing Reliability, International Workshop on Soft Computing Applications (SOFA2020), virtual conference, November 27-29, 2020. <https://www.sofa-org.eu/2020/invited-speakers/>
15. V. Beiu: Quantum AI from the Ground Up, International Students' Conference StudMath-IT 2020, virtual conference, November 26-27, 2020. <https://studmathit.uav.ro/>
16. V. Beiu: Rise of the AI Chips, International Students' Scientific Communications Session SICSS 2020, virtual conference, June 27, 2020. <https://aurelvlaicuuniversityofarad.my.webex.com/meet/balas>
17. V. Beiu: Land of the Giants ... AI Chips, International Conference on Computers, Communications and Control ICCCC'20 Virtual conference, May 11-15, 2020. <https://www.univagora.ro/en/conferinte/icccc/icccc2020/keynote-speakers/>
<https://www.univagora.ro/upload/redactor/document/beiu-1077.pdf>
18. V. Beiu: Why AI Hardware Makes (Perfect) Sense Now, Euro-China Conference on Intelligent Data Analysis and Applications ECC'19, Arad, Romania, October 15-18, 2019. <https://www.ecc2019.ro/invited-speaker/>
19. V. Beiu: Bio-Inspired Cellular Nano-Architectures, International Students Scientific Communications Session SICSS'19, Arad, Romania, 13-15 June 2019. <https://sicssarad2019.webnode.ro/>
20. Barna Cornel, AVES 2021 Invited Speakers <https://conferencealerts.com/show-event?id=239187>
21. Barna Cornel, SOFA 2022 Invited Speaker, <https://2022.sofa-org.eu/invited-speakers/>
22. Dragoi Vlad-Florin, StudMathIT 2020, <https://studmathit.uav.ro/program-2/>
23. Dragoi Vlad-Florin, Seminarul de matematica-informatica, Universitatea din Bucuresti, 2019, <https://sla.cs.unibuc.ro/ro/event/cryptosistemul-lui-mceliece-dupa-40-de-ani-de-criptanaliza/>
24. Dragoi Vlad-Florin, ECC 2019, <https://www.ecc2019.ro/invited-speaker/>
Dragoi Vlad-Florin, Seminarul Laboratorului Hubert Curien, Univ. Jean-Monnet Saint-Etienne, France, 2023.
25. Dragoi Vlad-Florin, Seminarul stiintific de informatica teoretica, Laboratorul LITIS, Univ. Rouen Normandy, France, 2023.
26. Dragoi Vlad-Florin, Scientific seminar, Wireless Communications lab, UNSW, Sydney, Australia, 2023.
27. Dragoi Vlad-Florin, Cyberweek UVT, Universitatea de Vest, Timisoara, 2023 <https://cyberweek.uvt.ro/>
28. Bejan Crina Anina, Cyberweek UVT, Universitatea de Vest, Timisoara, 2023 <https://cyberweek.uvt.ro/>

29. Bucerzan Dominic, Cyberweek UVT, Universitatea de Vest, Timisoara, 2023
<https://cyberweek.uvt.ro/>

Invited tutorials

1. V. Beiu: The Race for Mighty AI Chips, IEEE International Conference: Sciences of Electronic, Technologies of Information and Telecommunications SETIT'22, Genoa, Italy & Sfax, Tunisia, May 28-30, 2022. <http://www.setit.rnu.tn/tutorials-speakers.html>

Premii

1. Beiu Valeriu, 2020 Top 2% in Stanford World Ranking, released in October 2021. <https://doi.org/10.17632/btchxktzyw.3>
2. Beiu Valeriu, 2021 Top 2% in Stanford World Ranking, released in October & November 2022. <https://doi.org/10.17632/btchxktzyw.4> & <https://doi.org/10.17632/btchxktzyw.5>
3. Beiu Valeriu, 2022 Top 2% in Stanford World Ranking, released in October 2023. <https://doi.org/10.17632/btchxktzyw.6>
4. UEFISCDI PRECISI
V.-F. Dragoi, and V. Beiu, Studying the Binary Erasure Polarization Subchannels Using Network Reliability, IEEE Communications Letters, vol. 24, no. 1, pp. 62–66, Jan. 2020. <https://doi.org/10.1109/LCOMM.2019.2947910>
5. UEFISCDI PRECISI
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>
6. UEFISCDI PRECISI
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>
7. Best Paper Award @ ICCCC2020
<https://www.univagora.ro/en/conferinte/icccc/icccc2020/awards/>
S.R. Cowell, S. Hoara, and V. Beiu, Experimenting with Beta Distributions for Approximating Hammocks' Reliability, International Conference on Computers Communications and Control (ICCCC2020), Virtual conference, 11-15 May 2020. In I. Dzitac et al. (Eds.): ICCCC 2020, Springer AISC 1243, 2021, pp. 70–81. https://doi.org/10.1007/978-3-030-53651-0_6
8. Beiu Valeriu, UAV Excellence Award in 2022
9. Dragoi Vlad Florin, UAV Excellence Award in 2023
10. Crăciun Mihaela Daciana, UAV Excellence Award in 2023
11. Bejan Crina Anina, UAV Excellence Award in 2023

Membru Comitet Științific Conferințe Internaționale

1. Beiu Valeriu, IEEE International Conference on Design & Technology of Integrated Systems in Nanoscale Era DTIS'19, Mykonos, Greece, Apr. 16-18, 2019. <http://dtis2019.uniwa.gr/>
2. Beiu Valeriu, Euro-China Conference on Intelligent Data Analysis and Applications ECC'19, Arad, Romania, Oct. 15-18, 2019. <https://research.com/conference/ecc-2019-the-euro-china-conference-on-intelligent-data-analysis-and-applications>
3. Beiu Valeriu, International Conference on Smart Vehicular Technology, Transportation, Communication and Application VTCA 2019, Arad, Romania, Oct. 15-18, 2019. <https://www.vtca2019.ro/>
4. Beiu Valeriu, IEEE International Conference on Design & Technology of Integrated Systems in Nanoscale Era DTIS2020, Marrakesh, Morocco, Apr. 1-3, 2020. <https://www.lirmm.fr/dtis2020/>
5. Beiu Valeriu, IEEE International Conference on Computers, Communications and Control ICCCC2020, Virtual conference [Baile Felix, Oradea, Romania], May 11-15, 2018. <https://www.univagora.ro/en/conferinte/icccc/icccc2022/home/>
6. Beiu Valeriu, IEEE International Midwest Symposium on Circuits and Systems MWSCAS'20, Virtual conference [Springfield, MA, USA], Morocco, Aug. 9-12, 2020. <http://mwscas2020.org/>
7. Beiu Valeriu, International Workshop on Soft Computing Applications (SOFA2020), virtual conference, November 27-29, 2020. <https://www.sofa-org.eu/2020/>
8. Beiu Valeriu, International Conference on Computers, Communications and Control (ICCCC2022), Baile Felix, Oradea, Romania, May 16-20, 2022. <https://www.univagora.ro/en/conferinte/icccc/icccc2022/home/>
9. Beiu Valeriu, International Workshop on Soft Computing Applications (SOFA2022), Arad, Romania, November 21-23, 2022. <https://2022.sofa-org.eu/invited-speakers/>
10. Dragoi Vlad-Florin, International Conference on Security for Information Technology and Communications, SecITC 2023. SECITC – International Conference on Information Technology and Communications Security
11. Dragoi Vlad-Florin, Workshop on Selected Topics in Cryptography WSTC 2022, <https://www.wstc.flt-info.eu/contact/>
12. Bucerzan Dominic, Valeriu Beiu, Codruța Simona Stoica, Dragoi Vlad-Florin, Antonio Lupuți, Claudia Mihiț, StudMath-IT 2020 Conference, <https://studmathit-uav.ro/>
13. Bucerzan Dominic, Valeriu Beiu, Codruța Simona Stoica, Dragoi Vlad-Florin, Antonio Lupuți, Claudia Mihiț, StudMath-IT 2021 Conference, <https://studmathit-uav.ro/>
14. Bucerzan Dominic, Valeriu Beiu, Codruța Simona Stoica, Dragoi Vlad-Florin, Antonio Lupuți, Claudia Mihiț, StudMath-IT 2020 Conference, <https://studmathit-uav.ro/>

15. Bucerzan Dominic, Valeriu Beiu, Codruța Simona Stoica, Dragoi Vlad-Florin, Antonio Lupuți, Claudia Mihiț, StudMath-IT 2023 Conference, <https://studmathit-uav.ro/>

Membru în Comitetul Organizare Evenimente Științifice Internaționale

1. L. Daus, R.-M. Beiu, and V. Beiu, Trustworthy & Green Design, International Conference on Computers, Communications and Control (ICCCC2022), Baile Felix, Oradea, Romania, May 16-20, 2022. <https://www.univagora.ro/en/conferinte/icccc/icccc2022/home/>
2. M. Jianu, V.-F. Dragoi, and V. Beiu, Rebooting Reliability – From Maths to Circuits, International Workshop on Soft Computing Applications (SOFA2020), virtual conference, November 27-29, 2020. <https://www.sofa-org.eu/2020>
3. V. Beiu: On Brain-Inspired Nano-Architectures, International Conference on Computers, Communications and Control (ICCCC2020), virtual conference, May 11-15, 2020. <https://www.univagora.ro/en/conferinte/icccc/icccc2020/special-sessions/>
4. Dragoi Vlad-Florin, Tiplea Ferucio-Laurentiu, Workshop on Selected Topics in Cryptography WSTC 2022, <https://www.wstc.flt-info.eu/contact/>
5. Dragoi Vlad-Florin, Tiplea Ferucio-Laurentiu, Sofa 2020 - Special session - Advances in Cryptology: from theory to practice, <https://www.sofa-org.eu/2020/wp-content/uploads/2020/10/vlad-dragoi.pdf>
6. Dragoi Vlad-Florin, Jianu Marilena, Beiu Valeriu, Sofa 2020 - Special session - Rebooting Reliability – From Maths to Circuits, <https://www.sofa-org.eu/2020/wp-content/uploads/2020/11/SOFA-Special-Session-22.pdf>
7. Dragoi Vlad-Florin, Seminarul stiintific, Facultatea de Stiinte Exacte, Universitatea Aurel Vlaicu, Arad 2020-2023, (2020,2021,2022,2023) <https://cdn.uav.ro/documente-stiinte-exacte/Cercetare/Plan-de-cercetare-MMSI-2020.pdf>
8. Ramona Lile, Codruța Simona Stoica, Marius Lucian Tomescu, Bejan Crina Anina, Lorena Camelia Popa, Andrei Marius Gabor, Mihaela Daciana Crăciun, StudMath-IT 2020 Conference, <https://studmathit-uav.ro/>
9. Ramona Lile, Codruța Simona Stoica, Marius Lucian Tomescu, Bejan Crina Anina, Lorena Camelia Popa, Andrei Marius Gabor, Mihaela Daciana Crăciun, StudMath-IT 2021 Conference, <https://studmathit-uav.ro/>
10. Ramona Lile, Codruța Simona Stoica, Marius Lucian Tomescu, Bejan Crina Anina, Lorena Camelia Popa, Andrei Marius Gabor, Mihaela Daciana Crăciun, StudMath-IT 2020 Conference, <https://studmathit-uav.ro/>
11. Ramona Lile, Codruța Simona Stoica, Marius Lucian Tomescu, Bejan Crina Anina, Lorena Camelia Popa, Andrei Marius Gabor, Mihaela Daciana Crăciun, StudMath-IT 2023 Conference, <https://studmathit-uav.ro/>

12. Codruța Simona Stoica, Annual International Conferences on Mathematics & Statistics: Teaching, Theory & Applications, Athens Institute for Education and Research, ATINER, Athens, Greece
13. Codruța Simona Stoica, La Fete de la Francophonie - Aurel Vlaicu University of Arad
14. Codruța Simona Stoica, International Colloquium “Gender Equality” - Aurel Vlaicu University of Arad

Chair – sesiuni științifice la conferințe internaționale

1. Euro-China Conference on Intelligent Data Analysis and Applications ECC’19, Arad, Romania, Oct. 15-18, 2019. <https://www.ecc2019.ro/>
2. IEEE International Conference on Computers, Communications and Control ICCCC2020, Virtual conference [Baile Felix, Oradea, Romania], May 11-15, 2018. <https://www.univagora.ro/en/conferinte/icccc/icccc2022/home/>
3. International Workshop on Soft Computing Applications (SOFA2020), virtual conference, November 27-29, 2020. <https://www.sofa-org.eu/2020/>
4. International Conference on Computers, Communications and Control (ICCCC2022), Baile Felix, Oradea, Romania, May 16-20, 2022. <https://www.univagora.ro/en/conferinte/icccc/icccc2022/home/>
5. Annual International Conferences on Mathematics & Statistics: Teaching, Theory & Applications - Athens Institute for Education and Research, ATINER, Athens, Greece 2009 - 2024
6. International Conference of Numerical Analysis and Applied Mathematics – ICNAAM – 2017 - 2024

Cercetător Asociat

1. 2019 - 2024 Dragoi Vlad-Florin, cercetător asociat laborator LITIS, Univ. of Rouen Normandy, France (2019, 2020, 2021, 2022, 2023, 2024)

Cercetător / Profesor Visiting

1. 18-28 November, 2023 Dragoi Vlad-Florin (invited professor) Wireless Communications Lab, Univ. of New South Wales, Sydney, Australia (2023)
2. 4-30 September, 2023 Dragoi Vlad-Florin (invited professor) C&A research team, LITIS Lab, Univ. of Rouen Normandy, France. (2023)
3. 17 June-17 July, 2023 Dragoi Vlad-Florin (invited professor) SESAM research team, Hubert Curien Lab, Univ. Jean-Monnet, Saint-Etienne, France. (2023)

Membri în comisii de îndrumare / evaluare teze de doctorat naționale / internaționale

1. Dragoi Vlad-Florin, co-advisor PhD with György Turán, Doctoral School of Computer Science, University of Szeged, Hungary, student: Andreea Szocs. (2022, 2023)
2. Dragoi Vlad-Florin, membru, Alexandru Ionita, "Attribute-based Encryption for Boolean Circuits", Institut de Matematica al Academiei Romane "Simion Stoilow", 2025
3. Dragoi Vlad-Florin, membru, Oussama Kabbouch, "On the decoding by error-correcting pairs and the Galois dual of QT codes", Moulay Ismail Univ. Meknes, Maroc, 2024
4. Beiu Valeriu, membru, S.H. Zadeh, Energy Efficient Subthreshold Digital Building Blocks, Norwegian University of Science and Technology, Norway, 2022. <https://hdl.handle.net/11250/3004660>
5. Beiu Valeriu, membru, A. Dadashi, Ultra-Low-Voltage and Energy-Efficient Circuit Techniques for IoTs, University of Oslo, Norway, 2022. <https://www.duo.uio.no/handle/10852/97217>
6. Beiu Valeriu, membru, S. Bos, Beyond 0 and 1: A Mixed Radix Design and Verification Workflow for Modern Ternary Computers, University of South-Eastern Norway, Norway, 8 May 2024.

Seminarii Științifice

1. Intro to QC	06 Feb. 2019	A. Palcu
2. Basics of QC	28 Mar. 2019	A. Palcu
3. Quantum Dots	25 Apr. 2019	V. Beiu
4. Trapped Ions	02 May 2019	V. Beiu
5. Topological	09 May 2019	V. Beiu
6. Photonics – I	16 May 2019	R.-M. Beiu
7. Quantum Supremacy	23 May 2019	V. Beiu
8. Graphcore + Wire Length	18 Jul. 2019	V. Beiu

Alte articole/ contributii stiintifice

1. Negirla, PO., Nagy, M., Mobile Robot Platform for Studying Sensor Fusion, Soft Computing Applications. SOFA 2018. Advances in Intelligent Systems and Computing, vol 1221., Springer, Cham. (2021)
2. Crăciun M. - Raport științific nr.2 cu rezultate intermediare ale cercetării, Universitatea Politehnica Timișoara, Facultatea de Electrotehnică și Electroenergetică, Departamentul de Electroenergetică, Timișoara, 2019

E) Participări la conferințe naționale și internaționale

1. Mariana Nagy, Simon R. Cowell, Valeriu Beiu, Optimal Cubic Fibonacci Identities for 3D Packing , ISREIE 2019, Sectiunea Informatica.
2. Radu Emil Mares, Mariana Nagy, Ioan Radu, Aplicarea arborelui de evenimente în analiza unui accident de muncă la operațiile de mentenanță, ISREIE 2019, Sectiunea Inginerie.
3. Radu Emil Mares, Mariana Nagy, Ioan Radu, Using the event tree analysis in the Investigation of a work accident , ISREIE 2019, Sectiunea Inginerie.
4. L. Sida, L. Popa, S. Nădăban and I. Dzitac, Some Remarks on Fuzzy Hilbert Spaces, International Symposium Research and Education in Innovation Era ISREIE'19 Arad, Romania, May 23-25, 2019.
5. M. Tache, S. R. Cowell, and V. Beiu, Turning Sizing on Its Head and More , International Symposium Research and Education in Innovation Era ISREIE'19 Arad, Romania, May 23-25, 2019.
6. R.-M. Beiu, and V. Beiu, Sidestepping the Bounds of Diffraction, International Symposium Research and Education in Innovation Era ISREIE'19 Arad, Romania, May 23-25, 2019.
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79. C. Stoica, International Colloquium "Gender Equality" - Aurel Vlaicu University of Arad - On gender equality in science
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Proiecte

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6. Metode algebrice pentru evaluarea securității criptosistemelor post-cuantice bazate pe teoria codurilor corectoare de erori (Code-based Crypto) PN-III-P1-1.1-PD-2019-0285, Vlad-Florin Dragoi (PI), 09/2020-08/2022 (246 567 Ron).
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12. PN-IV-P2-2.3-PRECISI-2023-74145, Dragoi Vlad-Florin, Cowell Simon, Beiu Valeriu, 2021. Four Input Sorter Good, Larger Ones Not So Good
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14. Contract UPT 63/2019, Analiza regimurilor de funcționare în vederea determinării post calcul a consumului propriu tehnologic, Electrica Muntenia Nord & Servelect, Crăciun M, membru.
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17. Novel Bio-inspired Cellular Nano-Architectures – For-digital integrated circuits (BioCell-NanoART)
 Director: V. Beiu
 Members: V.-F. Duma, F.-D. Munteanu, C. Stoica, P. Gaspar, V.E. Balas, M.M. Balas, A. Cavaco-Paulo, L. Daus, S.R. Cowell, V.-F. Dragoi, M. Mernea, T. Castro, N. Rohatinovivi, M. Tache, C. Sirghie, L. Copolovici
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 Action POC-A1-A1.1.4-E-2015
 Contract POC nr. 30 / 01.09.2016
 RON 9.338.177 (2.103.193 Euro)
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18. Techniques for Unconventional Nano-Designing in the Energy-Reliability Realm (ThUNDER2)
 Director: V. Beiu
 Members: V.-F. Drăgoi, S.R. Cowell, R.-M. Beiu, L. Dăuș, and M. Tache
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19. CNFIS-FDI-2016-0081 Creșterea competitivității și vizibilității UAV în contextul strategiei proprii de internaționalizare 2016, 105.000 lei, Director: Păstorel Octavian Gaspar, Membru: Codruța Simona Stoica
20. CNFIS-FDI-2019-0132 Creșterea prestigiului și competitivității Universității "Aurel Vlaicu" din Arad prin susținerea cercetării de excelență din universitate 2019, 171.500 lei, Director: Codruța Simona Stoica
21. CNFIS-FDI-2021-0532 Dezvoltarea capacității instituționale pentru cercetarea științifică, garanția creșterii competitivității academice și vizibilității Universității "Aurel Vlaicu" din Arad 2021, 245.000 lei, Director: Codruța Simona Stoica
22. CNFIS-FDI-2022-0670 Susținerea capacității instituționale privind cercetarea - garanție a extinderii vizibilității și recunoașterii științifice pe plan național și internațional a Universității "Aurel Vlaicu" din Arad 2022 ,260.000 lei, Director: Codruța Simona Stoica
23. CNFIS-FDI-2023-F-0588 Sprijinirea capacității de cercetare științifică a instituției, garanție a creșterii prestigiului academic ai Universității "Aurel Vlaicu" din Arad 2022, 200.000 lei, Director: Codruța Simona Stoica

24. POCU/379/6/21 EDUBUSINESS 2019-2023, 7.903.741lei, Director: Ramona Lile, Membri: Codruta Simona Stoica, Lorena Camelia Popa

G) Membri în colectivele de redacție sau editoriale internaționale

1. Valeriu Beiu - Associate Editor la *Applied Sciences* din 2020
2. Valeriu Beiu - Associate Editor la *Mathematics* din 2021
3. Valeriu Beiu - Associate Editor la *Frontiers in Neuro Science* din 2022
4. Crina Anina Bejan, Marius Lucian Tomescu, Bucerzan Dominic, Proceedings of the International Student Conference StudMath-IT 2019, <https://studmathit-uav.ro/previous-editions/>
5. Crina Anina Bejan, Marius Lucian Tomescu, Bucerzan Dominic, Proceedings of the International Student Conference StudMath-IT 2020, <https://studmathit-uav.ro/previous-editions/>
6. Crina Anina Bejan, Marius Lucian Tomescu, Bucerzan Dominic, Proceedings of the International Student Conference StudMath-IT 2021, <https://studmathit-uav.ro/previous-editions/>
7. Crina Anina Bejan, Marius Lucian Tomescu, Bucerzan Dominic, Proceedings of the International Student Conference StudMath-IT 2022, <https://studmathit-uav.ro/previous-editions/>
8. Crina Anina Bejan, Marius Lucian Tomescu, Bucerzan Dominic, Proceedings of the International Student Conference StudMath-IT 2023, <https://studmathit-uav.ro>
9. I. Dzitac, S. Nădăban (2022). Fuzzy Logic and Soft Computing–Dedicated to the Centenary of the Birth of Lotfi A. Zadeh (1921-2017). (This book is a reprint of the Special Issue Fuzzy Logic and Soft Computing – Dedicated to the Centenary of the Birth of Lotfi A. Zadeh (1921-2017) that was published in Mathematics) ISBN 978-3-0365-5587-4 (Hbk); ISBN 978-3-0365-5588-1 (PDF) <https://doi.org/10.3390/books978-3-0365-5588-1>
10. Codruța Simona Stoica 2011 – prezent Theory and Applications of Mathematics & Computer Science
11. Codruța Simona Stoica 2014 – prezent Athens Institute for Education and Research ATINER Books
12. Annual International Conferences on Mathematics: Teaching, Theory & Applications
13. Codruța Simona Stoica 2016 – present Catalogul cercetarii stiintifice din Universitatea "Aurel Vlaicu" din Arad–Limba româna, limba engleza & limba franceza