

Lista Publicatii -portofoliu (DARABANT Sergiu Adrian)				
Nr Crt	Titlu Lucrare/Articol - 10 articole	Revista Forum	Year	Cat
1	BORZA Diana Laura , Darabant Sergiu Adrian, DaNESCU Radu, Eyeglasses Lens Contour Extraction from Facial Images Using an Efficient Shape Description , Science Citation Expanded, SENSORS, 13 , 2013, P.13638 - 13658	Sensors	2013	A
2	Diana Laura Borza, Adrian Sergiu Darabant, Radu Gabriel Danescu, Real-Time Detection and Measurement of Eye Features from Color Image, Sensors MDPI, Vol 16,pp: 24, 2016 .	Sensora	2016	A
3	<i>Diana Borza, Radu Danescu, Razvan Itu, Adrian Sergiu Darabant, High-speed video system for micro-expression detection and recognition, Sensors MDPI, pp:19, 17(12), 2913, doi:10.3390/s171229132017, 2017</i>	Sensors	2017	A
4	Adrian Sergiu Darabant, Leon Tambulea, Viorica Varga, Access Patterns Optimization in Distributed Databases Using Data Reallocation, 28th International Conference on Database and Expert Systems Applications DEXA 2017	DEXA	2017	B
5	Tudor Ileni, Diana Borza, Adrian Sergiu DARABANT, <i>Fast In-the-Wild Hair Segmentation and Color Classification</i> , 14th International Conference on Computer Vision Theory and Applications, VISAPP 2019, ISSN: 2184-4321, ISBN: 978-989-758-354-4, DOI: 10.5220/0007250500590066	VISAPP	2018	B
6	Diana Borza, Tudor Ileni, and Adrian Darabant, <i>A deep learning approach to hair segmentation and color extraction from facial images</i> , Advanced Concepts for Intelligent Vision Systems. ACIVS 2018, DOI: 10.1007/978-3-030-01449-0_37, ISBN:978-3-030-01449-0, pp 438-449.	SOFTCOM	2018	B
7	Alexandru I. Marinescu, Tudor Alexandru Ileni, Adrian Sergiu Darabant, A Versatile 3D Face Reconstruction from Multiple Images for Face Shape Classification, 27th International Conference on Software, Telecommunications and Computer Networks (SOFTCOM2019), pp. 1-6, DOI: 10.23919/SOFTCOM.2019.8903745, ISSN: 1847-358X	SOFTCOM	2019	B
8	<i>Ileni, T.A., Darabant, A.S., Borza, D.L. et al. DynK-hydra: improved dynamic architecture ensembling for efficient inference. Complex Intelligent Systems. ISSN: 2198-6053, 2022 , https://doi.org/10.1007/s40747-022-00897-1</i>	CAIS	2022	A
9	<i>Diana Laura Borza, Tudor Alexandru Ileni, Alexandru Ion Marinescu, Sergiu Adrian Darabant, Teacher or supervisor? Effective online knowledge distillation via guided collaborative learning, Computer Vision and Image Understanding, ISSN 1077-3142, https://doi.org/10.1016/j.cviu.2023.103632, Volume 228, February 2023, 103632.</i>	CVIU	2022	A
10	Darabant AS, Borza D, Danescu R. Recognizing Human Races through Machine Learning—A Multi-Network, Multi-Features Study. Mathematics. 2021; 9(2):195, https://doi.org/10.3390/math9020195	Mathematics	2021	A
Teze				
1	OBJECT ORIENTED SPECIFICATION AND MODELLING IN DISTRIBUTED DATABASES	Phd Thesis	2014	
2	Mathematical and Machine Learning Models and Techniques for Solving Complex Problems	Habil Thesis	2022	
Carti si capitole de carte				
1	Darabant Sergiu Adrian, carte, Proiectarea Bazelor de Data Distribuite, CASA CARTII DE STIINTA , 2009, P. 240	Carte		
2	Andreica Anca-Mirela, Navroschi Andreea, Bufnea Darius-Vasile, Sterca Adrian-Ioan, Darabant Sergiu Adrian, Vancea Alexandru-Ioan, carte, <i>Programarea în limbaj de asamblare 80x86. Exemple si aplicatii.</i> , RISOPRINT , 2005, P. 400	Carte		
3	Boian Florian-Mircea, Vancea Alexandru-Ioan, Bufnea Darius-Vasile, Andreica Anca-Mirela, Darabant Sergiu Adrian, Navroschi Andreea, carte, <i>Arhitectura calculatoarelor. Limbajul de asamblare 80x86</i> , RISOPRINT , 2005, P. 392	Carte		

4	Diana Borza,Sergiu Cosmin Nistor,Adrian Sergiu Darabant, Image Analysis and Processing, Lecture Notes in Computer Science vol 10485, Image Processing, Computer Vision, Pattern Recognition, and Graphics, vol 10485, capitol. Springer, 2017	Capitole de carte			
Brevete					
1	METHOD AND SYSTEM FOR THE ON-LINE SELECTION OF A VIRTUAL EYEGLASS FRAME (app no 20100283844) (ACEP-Jean Philippe Sayag, Adrian DARABANT, Benoit GRILLON)	Brevet			
2	METHOD AND DEVICE FOR MEASURING THE CURVE OF A SPECTACLE FRAME (app No 20100231710)	Brevet			
3	DEVICE FOR MEASURING THE ANGLE BETWEEN FAR SIGHT AND NEAR SIGHT ON A PATIENT WEARING SPECTACLES (app No 20100149486)	Brevet			
Nr Crt	Titlu Lucrare/Articol	Revista Forum	Year	Cat	Punctaj
1	Darabant Sergiu Adrian, DARABANT Laura , <i>Clustering methods in data fragmentation</i> , Science Citation Expanded, INFORMATION AND SOFTWARE TECHNOLOGY, 14, No 1 , 2011, P.81 - 97	ROMANIAN JOURNAL OF INFORMATION AND SOFTWARE TECHNOLOGY	2011	C	2.00
2	Darabant, L. and Plesa, M. and Micu, D.D. and Stet, D. and Ciupa, R. and Darabant, A, <i>Energy Efficient Coils for Magnetic Stimulation of Peripheral Nerves</i> , Science_Citation_Expanded, IEEE TRANSACTIONS ON MAGNETICS, 45, 2009, P.35 - 38	IEEE TRANSACTIONS ON MAGNETICS	2009	B	1.00
3	DARABANT Laura, Cretu, M., Darabant Sergiu Adrian, <i>Magnetic Stimulation of the Spinal Cord: Experimental Results and Simulations</i> , Science_Citation_Expanded, IEEE TRANSACTIONS ON MAGNETICS, 49, 2013, P.1845 - 1848	IEEE TRANSACTIONS ON MAGNETICS	2013	B	4.00
5	Adrian Sergiu Darabant, Alina Campan, Semi-supervised learning techniques: k-means clustering in OODB Fragmentation, IEEE International Conference on Computational Cybernetics, pag 333-338, 2004, Viena.	ICCC	2004	C	2.00
6	CRET Octavian, Darabant Sergiu Adrian, Zsolt Mathe, CIOBANU Paul, MARGINEAN Sonia, <i>A Hardware Algorithm for The Exact Subsequence Matching Problem in DNA Strings</i> , Science_Citation_Expanded, INFORMATION AND SOFTWARE TECHNOLOGY, 12, 1 , 2009, P.35 - 38	ROMANIAN JOURNAL OF INFORMATION AND SOFTWARE TECHNOLOGY	2009	C	0.67
26	BORZA Diana Laura , Darabant Sergiu Adrian, DaNESCU Radu, <i>Eyeglasses Lens Contour Extraction from Facial Images Using an Efficient Shape Description</i> , Science_Citation_Expanded, SENSORS, 13 , 2013, P.13638 - 13658	Sensors	2013	A	8.00
35	O Cret, S Mathe, B Szente, Z Mathe, C Vancea, F Rusu, A Darabant, Fpga-based scalable implementation of the general smith-waterman algorithm, Iasted Int'l Conf. Parallel and Distrib. Comput. Systems (PDCS), 2004, p. 410-415	PDCS	2004	C	0.40
47	Diana Laura Borza, Radu Gabriel Danescu, Adrian Sergiu Darabant, <i>Eyeglasses contour extraction using genetic algorithm</i> , 2015 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), 2015, Cluj Napoca, Romania, p 327-333.	ICCP	2015	C	2.00
48	Mihaela Cretu, Adrian Darabant, Radu V Ciupa, <i>Magnetic Stimulation of the Spinal Cord: Evaluating the Characteristics of an Appropriate Stimulator</i> , Artificial Organs, Vol 39, Issue 10, p 841-848, 2015.	Artificial Organs	2015	C	2.00
49	Diana Laura Borza, Adrian Sergiu Darabant, Radu Gabriel Danescu, <i>Real-Time Detection and Measurement of Eye Features from Color Image</i> , Sensors MDPI, Vol 16,pp: 24, 2016 .	Sensors	2016	A	8.00

50	R Danescu, Diana Borza, Adrian Sergiu DARABANT, <i>Fast Eye Tracking and Feature Measurement Using a Multi-Stage Particle Filter</i> , in International Conference on Computer Vision Theory and Applications, pp:258-265, doi: 10.5220/0006130202580265, ISBN: 978-989-758-226-4, VISAPP 2017	VISAPP 2017	2017	B	4.00
51	Adrian Sergiu Darabant, Leon Tambulea, Viorica Varga, <i>Access Patterns Optimization in Distributed Databases Using Data Reallocation</i> , 28th International Conference on Database and Expert Systems Applications DEXA 2017, Part I, LNCS 10438, pp. 178–186, DOI: 10.1007/978-3-319-64468-4_14, ISBN: 978-3-319-64467-7, 2017	DEXA	2017	B	4.00
52	Diana Borza, Sergiu Cosmin Nistor, Adrian Sergiu Darabant, <i>Towards automatic skin tone classification in facial images</i> , 19th International Conference on Image Analysis and Processing, Part II, LNCS 10485, pp:299-309, https://doi.org/10.1007/978-3-319-68548-9_28 , ICIAP 2017	ICIAP	2017	B	4.00
53	Sergiu Cosmin Nistor, Alexandra-Cristina Marina, Adrian Sergiu Darabant, Diana Borza, <i>Automatic gender recognition for “in the wild” facial images using convolutional neural networks</i> , 13th IEEE International Conference on Intelligent Computer Communication and Processing, ICCP2017, DOI:10.1109/ICCP.2017.8117018, Cluj Napoca, Romania	ICCP	2017	C	1.00
54	Adrian Sergiu Darabant, Viorica Varga and Leon Tambulea, <i>A Linear Approach to Distributed Database Optimization Using Data Reallocation</i> , 25th International Conference on Software, Telecommunications and Computer Networks (SOFTCOM2017), DOI: 10.23919/SOFTCOM.2017.8115503, ISBN: 978-953-290-078-1, Split, Croatia, pag 20-28	SoftCOM	2017	B	4.00
55	Diana Borza, Adrian Darabant and Radu Danescu, <i>AUTOMATIC SKIN TONE EXTRACTION FOR VISAGISM APPLICATIONS</i> , 13th International Conference on Computer Vision Theory and Applications, VISAPP 2018, ISBN: 978-989-758-290-5, pp:466-473, DOI: 10.5220/0006711104660473, 2018	VISAPP	2018	B	4.00
56	Diana Borza, Radu Danescu, Razvan Itu, Adrian Sergiu Darabant, <i>High-speed video system for micro-expression detection and recognition</i> , <i>Sensors MDPI</i> , pp:19, 17(12), 2913, doi:10.3390/s17122913, 2017	Sensors	2017	A	4.00
57	Sergiu Cosmin Nistor, Adrian Sergiu Darabant, Diana Borza, <i>Micro-Expressions Detection Based on Micro-Motions Dense Optical Flows</i> , 26th International Conference on Software, Telecommunications and Computer Networks (SOFTCOM2018), DOI:10.23919/SOFTCOM.2018.8555833, Split, Croatia	SoftCOM	2018	B	4.00
58	Diana Borza, Tudor Ileni, and Adrian Darabant, <i>A deep learning approach to hair segmentation and color extraction from facial images</i> , <i>Advanced Concepts for Intelligent Vision Systems. ACIVS 2018</i> , DOI: 10.1007/978-3-030-01449-0_37, ISBN:978-3-030-01449-0, pp 438-449.	ACIVS	2018	B	4.00
59	Tudor Ileni, Diana Borza, Adrian Sergiu DARABANT, <i>Fast In-the-Wild Hair Segmentation and Color Classification</i> , 14th International Conference on Computer Vision Theory and Applications, VISAPP 2019, ISSN: 2184-4321, ISBN: 978-989-758-354-4, DOI: 10.5220/0007250500590066	VISAPP	2019	B	4.00
60	Alexandru I. Marinescu, Tudor Alexandru Ileni, Adrian Sergiu Darabant, <i>A Versatile 3D Face Reconstruction from Multiple Images for Face Shape Classification</i> , 27th International Conference on Software, Telecommunications and Computer Networks (SOFTCOM2019), pp. 1-6, DOI: 10.23919/SOFTCOM.2019.8903745, ISSN: 1847-358X	SOFTCOM	2019	B	4.00
62	Nistor, S.C.; Ileni, T.A.; Dărăbant, A.S. <i>Automatic Development of Deep Learning Architectures for Image Segmentation</i> . <i>Sustainability</i> 2020, 12, 9707, ISSN: 2071-1050, https://doi.org/10.3390/su12229707	SUSTAINABILITY	2020	B	4.00
63	Darabant AS, Borza D, Danescu R. <i>Recognizing Human Races through Machine Learning—A Multi-Network, Multi-Features Study</i> . <i>Mathematics</i> . 2021; 9(2):195, https://doi.org/10.3390/math9020195	MATHEMATICS	2021	A	8.00

64	Alexandru Marinescu, Adrian-Sergiu Dărbant, Tudor-Alexandru Ileni, <i>Optimal Stereo Camera Calibration via Genetic Algorithms, International Joint Conference on Artificial Intelligence, IJCAI 2021, Artificial Intelligence for Autonomous Driving AI4AD Workshop, 2021, Montreal</i>	IJCAI	2021	A	6.00
65	Ileni, T.A., Darabant, A.S., Borza, D.L. et al. <i>DynK-hydra: improved dynamic architecture ensembling for efficient inference. Complex Intelligent Systems. ISSN: 2198-6053, 2022 , https://doi.org/10.1007/s40747-022-00897-1</i>	CAIS	2022	A	4.00
66	Borza, Diana-Laura, Adrian Sergiu Darabant, Tudor Alexandru Ileni, and Alexandru-Ion Marinescu. 2022. "Effective Online Knowledge Distillation via Attention-Based Model Ensembling" <i>Mathematics</i> 10, no. 22: 4285. https://doi.org/10.3390/math10224285	MATHEMATICS	2022	A	4.00
67	Diana Laura Borza, Tudor Alexandru Ileni, Alexandru Ion Marinescu, Sergiu Adrian Darabant, <i>Teacher or supervisor? Effective online knowledge distillation via guided collaborative learning, Computer Vision and Image Understanding, ISSN 1077-3142, https://doi.org/10.1016/j.cviu.2023.103632, Volume 228, February 2023, 103632.</i>	CVIU	2023	A	4.00
68	Andrei Florin Pamint, , and Sergiu Adrian Darabant. "Using vision transformer-based GANs against Vision Transformers". <i>International Conference on Learning Representations (ICLR), Tiny Papers (2023).</i>	ICLR	2023	A	6.00
69	Székely, D. E., Dobra, D., Dobre, A. E., Domşa, V., Drăghici, B. G., Ileni, T. A., ... & Tamás, L. (2024). <i>Bacterial-fungicidal vine disease detection with proximal aerial images. Heliyon, 10(14).</i>	HELYON	2024	B	0.36
				Total	107.43