Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Victor-Emil Neagoe**
Address(es)	[redacted]
Telephone(s)	Personal: - Mobile: [redacted]
E-mail	[redacted]
Nationality	Romanian
Date of birth	31.05.1947
Gender	Male

Desired employment / Occupational field

Professor, Faculty of Electronics, Telecommunications and Information Technology, POLITEHNICA University of Bucharest (Long Term Expert).

Work experience

Period	May 1991 – currently
Occupation or position held	Authorized Ph.D. Supervisor
Main activities and responsibilities	Supervision of Ph.D. students (Doctoral field: Engneering in Electronics and Telecommunications/Engineering in Electronics, Telecommunications and Information Technologies)
Name and address of employer	POLITEHNICA University of Bucharest, Splaiul Independenţei nr. 313, Bucharest, Romania
Type of business or sector	Higher technical education
Period	September 23, 2018 – currently
Occupation or position held	Emeritus Professor, Faculty of Electronics, Telecommunications and Information Technology
Main activities and responsibilities	Teaching Courses: Pattern Recognition and Artificial Intelligence (series IVA); Decision and Estimation for Information Processing (series IIIB), Computational Intelligence Part I and Part II for master series SIVA (Intelligent Systems and Computer Vision) Coordination of the master program "Intelligent Systems and Computer Vision" Supervision of final diploma and dissertation projects
Name and address of employer	POLITEHNICA University of Bucharest, Splaiul Independenţei nr. 313, Bucharest, Romania
Type of business or sector	Higher technical education
Period	October 1, 1991 – September 23, 2018
Occupation or position held	Professor (Full), Faculty of Electronics, Telecommunications and Information Technology
Main activities and responsibilities	Teaching courses: Pattern Recognition and Artificial Intelligence; Data Mining; Computational Intelligence; Digital Signal Processing; Decision, Estimation and Information Processing Research (Director of several research projects: Multiple System for Biometric Identification, Face&Iris Recognition, Neural Self-Organizing Models for Pattern Recognition, Neural Expert System for Pattern Recognition in Satellite Imagery, Neural Networks for Vehicular Robotics, Image Data Compression).
Name and address of employer	POLITEHNICA University of Bucharest, Splaiul Independenţei nr. 313, Bucharest, Romania
Type of business or sector	Higher technical education

Period	January 1995 – July 1995
Occupation or position held	Invited Professor
Main activities and responsibilities	Teaching/Plenary Lectures/Research
Name and address of employer	University of Gent, Belgium, St. Pietersnieuwstraat 33, 9000 Gent, Belgium
Type of business or sector	Higher technical education
Period	September 1, 1970 – October 1, 1991
Occupation or position held	Assistant Professor/Lecturer
Main activities and responsibilities	Teaching Lectures, Seminars, Laboratories: *Information Transmission Theory, Television, Applied Electronics*; supervisor of final diploma projects
Research: projects in the field of image data compression and pattern recognition
Name and address of employer	POLITEHNICA University of Bucharest, Splaiul Independenţei nr. 313, Bucharest, Romania
Type of business or sector	Higher technical education

Education and training

Dates	September 1980 – September 1981
Title of qualification awarded	Master / Postuniv UNESCO in Applied Mathematics and Informatics (average of marks 10)
Principal subjects/occupational skills covered	- Mathematical Models
- Probabilities and Statistics
- Dynamic Programming
- Informatics
- Management
Name and type of organisation providing education and training	Bucharest University of Bucharest, Faculty of Mathematics/UNESCO
Dates	October 1973 – October 1976
Title of qualification awarded	PhD degree in Electronics (supervisor Acad, Prof. G. Cartianu), 1976
Principal subjects/occupational skills covered	- Signal and System Theory
- Information Transmission Theory
- Image Data Compression
Name and type of organisation providing education and training	POLITEHNICA Institute of Bucharest, Faculty of Electronics and Telecommunications
Dates	October 1965 – July 1970
Title of qualification awarded	Electronics Engineer (head of series, with Honor Diploma, average of marks 9.97 out of 10)
Principal subjects/occupational skills covered	- Mathematics
- Signal and Systems Theory
- Information Transmission Theory
- Electronic Circuits
- Computer Programming
Name and type of organisation providing education and training	POLITEHNICA Institute of Bucharest, Faculty of Electronics and Telecommunications
Level in national or international classification	

Personal skills and competences

Mother tongue(s)	**Romanian**
Other language(s)	

	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C2	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user
French	C2	Proficient user	C2	Proficient user	B1	Independent user	B1	Independent user	A2	Basic user

(*) Common European Framework of Reference for Languages

Social skills and competences	Experience for PhD student teaching and supervising, as well as for leading the student research teams and their final projects. He has also experience in leading and participating as partner in research projects.
Organisational skills and competences	Experience in project and team management.
Technical skills and competences	- Experience of 51 years in university teaching and research - PhD supervisor since 1990 - Competence fields for university teaching: pattern recognition, computational intelligence (artificial neural networks; fuzzy systems, genetic algorithms, swarm intelligence, artificial immune systems, ant colony optimization), data mining, digital signal processing, computer vision, detection, estimation and information processing. - Competence fields for research: computational intelligence, pattern recognition, data mining, remote sensing image analysis, change detection, biometrics, computer vision, image compression, artificial intelligence for business, image classification for medical applications - Author or coauthor of about 200 published papers.
Computer skills and competences	Microsoft Office (Word, PowerPoint etc.), Matlab
Artistic skills and competences	Poetry, author of a booklet of poetry called "Notre espace vectoriel- Poemes pour le tiroir" written in 1989 and published in 1992 in France.
Other skills and competences	- Member IEEE (Institute of Electrical and Electronics Eng., New York) since 1978 - Senior Member IEEE, since 1984. - Life Senior Member IEEE, since 2012 - Who's Who in the World: 1998 (15th Edition); 2011 (28th Edition), 2012 (29th Edition), 2013 (30th Edition), 2014 (31st Edition), 2015 (32th Edition), 2016 (33rd Edition) - Who's Who in Science and Engineering:2005-2006; 2011-2012; 2016-2017 - h-index for ISI (Web of Science, 2021):8 - h-index for Scopus (2021):10 - h-index for Google Academic (2021):15
Additional information	References may be given at request
Appendix	List of ISI/BDI published papers last 10 years
Date: Sepember 1, 2021	Victor-Emil Neagoe

A P P E N D I X
List of ISI/BDI published papers last 10 years

Papers published in ISI (WOS) indexed journals or in ISI (WOS) indexed Conference Proceedings
(last 10 years)

1. **V. E. Neagoe**, R. M. Stoica, A. I. Ciurea, L. Bruzzone, and F. Bovolo, "Concurrent Self-Organizing Maps for supervised/unsupervised change detection in remote sensing images,"*IEEE J. Selected Topics Appl. Earth Obs. Remote Sens.*, vol. 7, no. 8, pp. 3525–3533, Aug. 2014, **WOS:000343055200031, ISI-Q2.**

2. **V. E. Neagoe,** P. Diaconescu, "An Ensemble of Deep Convolutional Neural Networks for Drunkenness Detection Using Thermal Infrared Facial Imagery," *Proc. 13th International* Conference *on Communications (COMM2020),* Bucharest, Romania, Electr Netowork, June 19-20, 2020, pp. 147-150, **WOS:000612723900026.**

3. **V. E. Neagoe,** P. Diaconescu, "CNN Hyperspectral Image Classification Using Training Sample Augmentation with Generative Adversarial Networks," *Proc. 13th International Conference on Communications (COMM2020),* Bucharest, Romania, Electr Netowork, June 19-20, 2020, pp.515-519, **WOS:000612723900091.**

4. T. Damrongsakmethee, **V. E. Neagoe,** "Stock Market Prediction Using a Deep Learning Approach," *Proc. 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI-2020),* Bucharest, Romania, June 25-27, 2020, pp. 1-6, **WOS:000627393500024.**

5. P. Diaconescu, **V. E. Neagoe,** "Credit Scoring Using Deep Learning Driven by Optimization Algorithms," *Proc. 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI-2020),* Bucharest, Romania, June 25-27, 2020, pp.1-6, **WOS:000627393500021.**

6. **V.E. Neagoe**, A.D. Ciotec, L. Bruzzone, " A Weakly-Supervised Change Detection Technique for SAR Images Based on Deep Learning and Synthetic Training Data Generated by an Ensemble of Self-Organizing Maps," *Proc. IEEE International Geoscience and Remote Sensing Symposium (IGARSS-2019),* Yokohama, JAPAN. July 28- August 2,2019, IEEE, pp. 1669-1672, **WOS: 000519270601221.**

7. T. Damrongsakmethee, **V.E. Neagoe,** " Neural NARX Approach for Exchange Rate Forecasting, "Proceeding *11 th International Conference on Electronics, Computers and Artificial Intelligence (ECAI-2019),* Pitesti, ROMANIA, Date: June 27-29, 2019, IEEE, pp. 1-6, **WOS: 000569985400117.**

8. C. Iorga, **V.E. Neagoe,** "A Deep CNN Approach with Transfer Learning for Image Recognition". *Proceeding 11 th International Conference on Electronics, Computers and Artificial Intelligence (ECAI-2019),* Pitesti, ROMANIA, Date: June 27-29, 2019, IEEE, pp. 1-6, **WOS:000569985400176.**

9. T. Damrongsakmethee, **V.E. Neagoe**, "C4.5 Decision Tree Enhanced with AdaBoost Versus Multilayer Perceptron for Credit Scoring Modeling," *Proc. 3rd Conference on Computational Methods in Systems and Software (CoMeSySo)*, Electr Network, Oct. 3-5, 2019, *Computational Statistics and Mathematical Modeling Methods in Intelligent Systems*, Vol. 2, pp. 216-226, **WOS:000627307100022.**

10. T. Damrongsakmethee, **V.E.Neagoe**, "Principal Component Analysis and ReliefF Cascaded with Decision Tree for Credit Scoring." *Proc. 8th Computer Science On-Line Conference (CSOC)*, Location: CZECH REPUBLIC, Date: APR 24-27, 2019 , *Artificial Intelligence Methods in Intelligent Algorithms*. Praha, CZECH REPUBLIC2019, Springer, Book Series: Advances in Intelligent Systems and Computing, vol.985, pp. 85–95. DOI :10.1007/978-3-030-19810-7_9, **WOS:000503762800009.**

11. P. Diaconescu, **V. E. Neagoe**, "A Higly Configurable Deep Learning Architecture for Hyperspectral Image Classification," Proc. IEEE *13th International Symposium on Applied Computational Intelligence And Informatics (SACI 2019)*, Timisoara, ROMANIA, May 29-31, 2019, pp.197-200, **WOS:000610436600035.**

12. V.C. Chirila-Berbentea, **V.E. Neagoe**, "Semi Supervised Hyperspectral Image Classification using Virtually Labeled Training Data based on the Improved Gaussian Mixture Clastering. " Proceedings 10th International Conference Electronics, Computers and Artificial Intelligence (ECAI-2018), Iasi, Romania, Date: June 28- 30, 2018, IEEE, pp. 1-4, **WOS: 000467734100084.**

13. **V.E. Neagoe**, C.E. Neghina, "An Artificial Bee Colony Approach for Classification of Remote Sensing Imagery," *Proceeding of the 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI-2018)*, Iasi, Romania, Date: June 28- 30, 2018, IEEE, pp. 1-4, **WOS: 000467734100151.**

14. **V. E. Neagoe**, R.M. Stoica, "A New Neural Approach of Supervised Change Detection in SAR Images Using Training Data Generation with Concurrent Self-Organizing Maps," *Proc. International Geoscience and Remote Sensing Symposium (IGARSS 2018)*, Valencia, Spain, July 23-27 2018, pp. 4792-4795, **WOS:000451039804182**, ISBN:978-1-5386-7150-4, ISSN: 2153-6996.

15. **V.E. Neagoe**, A.D. Ciotec, "Supervized Change Detection for SAR Imagery based on Processing of a Low Size Training Data Set by an Ensemble of Self-Organizing Maps," *Proc. International Conference on Communications (COMM2018)*, 14-16 June 2018, Bucharest, pp. 139-142, **WOS:000449526000025**, ISBN:978-1-5386-2350-3, ISSN: 1550-3607.

16. **V.E. Neagoe**, A.D. Ciotec, G.S. Cucu, "Deep Convolutional Neural Networks versus Multilayer Perceptron for Financial Prediction," *Proc. International Conference on Communications (COMM2018)*, 14-16 June 2018, Bucharest, pp. 201-206, **WOS:000449526000037**, ISBN:978-1-5386-2350-3,ISSN: 1550-3607.

17. V. E. Neagoe, S.V. Carata, "Drunkenness diagnosis using a neural network-based approach for analysis of facial images in the thermal infrared spectrum, "Proceedings of 2017 E-Health and Bioengineering Conference (EHB)," Sinaia, Romania, June 22-24, 2017, pp. 165-168, **WOS:000445457500042**, ISBN:978-1-5386-0358-1, ISSN: 2575-5137, eISSN: 2575-5145.

18. **V.E. Neagoe**, C. E. Neghina, V. Chirila-Berbentea, "A genetic algorithm approach to purify the classifier training labels for the analysis of remote sensing imagery,"Proceedings of 2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Fort Worth, Texas, USA, July 23–28, 2017, pp. 3234-3237, **WOS:000426954603081, DOI:10.1109/IGARSS.2017.8127686**, ISBN:978-1-50904951-6, ISSN: 2153-6996, Electronic ISSN: 2153-7003.

19. **V.E. Neagoe**, V. Chirilă-Berbentea, "A novel approach for semi-supervised classification of remote sensing images using a clustering-based selection of training data according to their GMM responsibilities,"Proceedings of 2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Fort Worth, Texas, USA, July 23–28, 2017, pp. 4730-4733, **WOS:000426954604195, DOI: 10.1109/IGARSS.2017.8128058**, ISBN:978-1-5090-4951-6, ISSN: 2153-6996; Electronic ISSN: 2153-7003.

20. **V. E. Neagoe**, V. Chirila-Berbentea, "Improved Gaussian Mixture Model with Expectation-Maximization for Clustering of Remote Sensing Imagery", *Proc. 2016 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2016)*, Beijing, China, July 10-15, 2016, pp. 3063-3065, **WOS:000388114603021, ISBN**:978-1-5090-3332-4, **ISSN**: 2153-6996.

21. **V.E. Neagoe**, A. D. Ciotec, S.V. Carata, „A new multispectral pixel change detection approach using pulse-coupled neural networks for change vector analysis, "Proc. 2016 IEEE International Geoscience and Remote Sensing Conference (IGARSS 2016), Beijing, China, July 10-15, 2016, pp. 3386-3389, **WOS:000388114603102**, ISBN:978-1-5090-3332-4, ISSN: 2153-6996.

22. S. V. Carata, **V. E. Neagoe**, „A Pulse-Coupled Neural Network Approach for Image Segmentation and Its Pattern Recognition Application,"Proc. 11th International Conference on Communications (COMM 2016), June 9-11, 2016, pp. 61-64, **WOS:000383221900013**, ISBN:978-1-4673-8197-0.f

23. **V. E. Neagoe** and C. E. Neghina, "Feature Selection with Ant Colony Optimization and its Applications for Pattern Recognition in Space Imagery", *Proc. 11th International Conference on Communications (COMM 2016)*, Bucharest, Romania, June 9-11, 2016, pp. 101–104, **WOS:000383221900022, ISBN**:978-1-4673-8197-0.

24. **V. E. Neagoe**, C. E. Neghina, "Training label cleaning with ant colony optimization for classification of remote sensing imagery," 2015 IEEE International Geoscience and Remote Sensing Symposium Proceedings (IGARSS 2015), Milano, Italy, July 26-31, 2015,pp. 421-424, IEEE Catalog Number: CFP15IGA-USB, ISBN:978-1-4799-7929-5, **WOS:000371696700107.**

25. **V. E. Neagoe**, S. V. Carata, A. D. Ciotec, "Automatic target recognition in SAR imagery using Pulse-Coupled Neural Network segmentation cascaded with virtual training data generation CSOM-based classifier," 2015 IEEE International Geoscience and Remote Sensing Symposium Proceedings (IGARSS 2015), Milano, Italy, July 26-31, 2015, pp.3274-3277, IEEE Catalog Number: CFP15IGA-USB, 978-1-4799-7929-5, **WOS:000371696703092.**

26. **V. E. Neagoe**, R. M. Stoica, "A new neural network-based approach for automatic annotation of remote sensing imagery," 2014 IEEE International Geoscience and Remote

Sensing Symposium Proceedings (IGARSS 2014), Quebec City Q.C., Canada, July 2014, pp. 1781 – 1784, ISBN:978-1-4799-5775-0, **WOS:000349688102128.**

27. **V. E. Neagoe**, A. Ciurea, L. Bruzzone, F. Bovolo, "A novel neural approach for unsupervised change detection using SOM clustering for pseudo-training set selection followed by CSOM classifier", 2014 IEEE International Geoscience and Remote Sensing Symposium Proceedings (IGARSS 2014), Quebec City Q.C., Canada, July 2014, pp. 1437 – 1440, ISBN:978-1-4799-5775-0, **WOS:000349688102045.**

28. **V. E. Neagoe,** A. D. Ciotec, "A New Approach for Accurate Classification of Hyperspectral Images Using Virtual Sample Generation by Concurrent Self-Organizing Maps", Proc. IEEE International Geoscience & Remote Sensing Symposium, Melbourne, Australia, 21-26 July, 2013, pp. 1031-1034, ISBN 978-1-4799-1114-1, **WOS:000345638901040.**

29. **V. E. Neagoe**, R. M. Stoica and A. Ciurea, "A Modular Neural Model for Change Detection in Earth Observation Imagery", 2013 IEEE International Geoscience & Remote Sensing Symposium Proceedings (IGARSS 2013), Melbourne (Australia), 21-26 July, 2013, pp. 3321-3324, ISBN 978-1-4799-1114-1, **WOS:000345638903099.**

30. **V. E. Neagoe**, A. D. Ciotec, A. P. Bărar, "A Concurrent Neural Network Approach to Pedestrian Detection in Thermal Imagery", Proceedings of the 9th International Conference on Communications (COMM), June 21-23, 2012, Bucharest, Romania, pp. 133 - 136, ISBN : 978-1-4673-2573-8, **WOS:000307808200030.**

Papers published in BDI indexed journals or in BDI indexed Conference Proceedings (last 10 years)

31. T. Damrongsakmethee, and **V.E. Neagoe**, (2017). Data Mining and Machine Learning for Financial Analysis, *Indian Journal of Science and Technology, 10(39)*, pp. 1–7. (Scopus, Q4).

32. **V. E. Neagoe,** S.V. Carata, „Subject Independent Drunkenness Detection Using Pulse-Coupled Neural Network Segmentation of Thermal Infrared Facial Imagery", *International Journal of Mathematical and Computational Methods*, Vol. 1, 2016, pp. 305-312.

33. **V. E. Neagoe**, V. Chirila-Berbentea, "A New Approach to Unsupervised Classification of Hyperspectral Earth Observation Imagery Using a Gaussian Mixture Model, *International Journal of Signal Processing,* Vol. 1, 2016, pp. 134-137.

34. R. M. Stoica, **V. E. Neagoe**, "Self-Organizing Map for clustering of remote sensing imagery," Scientific Bulletin of the Polytechnic University of Bucharest, Series C, Vol. 76, Iss. 1, 2014, pp. 69-80, ISSN 2286-3540.

35. E. C. Neghină, **V. E. Neagoe**, R. M. Stoica and A. D. Ciotec, "Neural and Ant Colony Optimization versus Statistical Models for Supervised Classification of Multispectral Remote-Sensing Imagery", *Scientific Bulletin of the Polytechnic University of Bucharest, Series C*, Vol. 75, Iss. 3, 2013, pp. 87-100, ISSN 2286-3540.

36. A. D. Ciotec, **V. E. Neagoe**, A. P. Bărar, "Concurrent Self-Organizing Maps for Pedestrian Detection in Thermal Imagery", *Scientific Bulletin of the Polytechnic University of Bucharest, Series C,* Vol. 75, Iss. 4, 2013, ISSN 2286-3540.

37. **V. E. Neagoe**, M. Neghina, M. Datcu, "Neural Network Techniques for Automated Land-Cover Change Detection in Multispectral Satellite Time Series Imagery", *International Journal of Mathematical Models and Methods in Applied Sciences,* Issue 1, Volume 6, 2012, pp. 130-139, ISSN: 19980140, NAUN Press.

38. S. V. Carata, **V. E. Neagoe**, " An Innovative Pulse-Coupled Neural Network Approach to Image Segmentation", *Proceedings of 6th European Conference on Computer Science (ECCS"15),* Rome, Italy, November 7-9 2015 (NAUN).

39. **V.E. Neagoe**, S.V. Carata, A. D. Ciotec „An Advanced Neural Network-Based Approach for Military Ground Vehicle Recognition in SAR Aerial Imagery", *Proc. 18-th International Conference on "Scientific Research and Education in the Air Force"(AFASES),* Brasov, Romania, May 26-28, 2016. pp.41-47.

40. S. V. Carata, **V. E. Neagoe**, " An Innovative Pulse-Coupled Neural Network Approach to Image Segmentation", *Proceedings of 6th European Conference on Computer Science (ECCS"15),* Rome, Italy, November 7-9 2015 (NAUN).

41. **V. E. Neagoe**, A. I. Ciurea, R. M. Stoica, . Bovolo and L. Bruzzone, "Unsupervised Change Detection with Concurrent Self-Organizing Maps," *Proc. of ESA-EUSC-JRC 9th Conference on Image Information Mining (the Sentinels Era),* 5-7 March 2014, Bucharest, Romania, Publications Office of the European Union, Luxembourg, pp. 21-24, ISBN 978-92-79-36160-9.

42. **V. E. Neagoe**, C.E. Neghina, L. Bruzzone, F. Bovolo, "Ant colony optimization band selection for classification of multispectral Earth observation imagery," *Proc. on Big Data from Space Conference (BIDS'14),* 12-14 Nov. 2014, Frascati, Italy, Publications Office of the European Union, Luxembourg, 2014, pp. 291-294,ISBN 978-92- 79-43252-1.

43. **V. E. Neagoe**, R. M. Stoica, „ A Neural Model for Automatic Annotation of Earth Observation Imagery", *Recent Advances in Computer Science and Applications, Proc. 14th International Conference on Neural Networks (NN'13),* Valencia, Spain, 6 – 8 August, 2013, pp. 25- 30, ISBN 978-960-474-317-9, ISSN 1790-5109.

44. **V. E. Neagoe**, A. P. Barar, "A Neural POLA for Image Compression", *Recent Advances in Computer Science and Applications, Proc. 14th International Conference on Neural Networks (NN'13),* Valencia, Spain, 6 – 8 August, 2013, pp. 31- 35, ISBN 978-960-474-317-9, ISSN 1790-5109.

45. A. D. Ciotec, **V. E. Neagoe**, G. E. Strugaru, "Clusot Technique to Identify the Correct Number of Clusters for Multispectral Satellite Imagery", *Recent Advances in Computer Science and Applications, Proc. 14th International Conference on Neural Networks (NN'13),* Valencia, Spain, 6 – 8 August, 2013, pp. 36 – 41, ISBN 978-960-474-317-9, ISSN 1790-5109.

46. **V. E. Neagoe**, A. P. Barar, N. Sebe, P. Robitu, „ A Deep Learning Approach for Subject Independent Emotion Recognition from Facial Expressions", *Recent Advances in Image, Audio, and Signal Processing, Proc. 1st International Conference on Image Processing*

	and Pattern Recognition (IPPR13), Budapest (Hungary), Dec. 10- 12, 2013,pp. 93-98, ISBN: 978-960-474-350-6, ISSN:1790-5117.
47.	R. M. Stoica and **V. E. Neagoe,** "A Neural Unsupervised Pattern Recognition Approach with Cluster Optimization for Earth Observation Imagery", *Recent Advances in Image, Audio, and Signal Processing, Proc. 1st International Conference on Image Processing and Pattern Recognition (IPPR13)*, Budapest (Hungary), Dec. 10-12, 2013,pp. 45-52, ISBN: 978-960-474-350-6, ISSN:1790-5117.
48.	A. P. Barar, **V. E. Neagoe**, N. Sebe, "Image Recognition with Deep Learning Techniques", *Recent Advances in Image, Audio, and Signal Processing, Proc. 1st International Conference on Image Processing and Pattern Recognition (IPPR13)*, Budapest (Hungary), Dec. 10-12, 2013, pp. 126-132, ISBN: 978-960-474-350-6, ISSN:1790-5117.
49.	**V. E. Neagoe**, A. D. Ciotec, C. E. Neghina, G. E. Strugaru, "New Computational Intelligence-Based Techniques for Training Sample Selection/Generation to Improve Spatial-Contextual Classification of Multispectral Remote Sensing Imagery", *Proceedings of the 3rd European Conference of Computer Science (ECCS '12)*, December 2- 4, 2012, Paris, France, pp. 21 -26, (NAUN Press).
50.	**V. E. Neagoe**, R. M. Stoica, A. I. Ciurea, "Concurrent Self-Organizing Maps for Change Detection in Time Series of Multispectral Remote Sensing Imagery", *Proceedings of the 3rd European Conference of Computer Science (ECCS '12)*, December 2-4, 2012, Paris, France, pp. 131 -136, (NAUN Press).
51.	**V. E. Neagoe**, A. P. Bărar, A. D. Ciotec, "Statistical and Neural Models for Color Image Interpolation", *Proceedings of the 3rd European Conference of Computer Science (ECCS '12)*, December 2-4, 2012, Paris, France, pp. 154 -159, (NAUN Press).
52.	**V. E. Neagoe,** M. Neghina, and M. Datcu, A Neural Network Approach for Land-Cover Change Detection in Multi-Temporal Multispectral Remote-Sensing Imagery, *Proceedings of the 11th WSEAS International Conference on SIGNAL PROCESSING, COMPUTATIONAL GEOMETRY And ARTIFICIAL VISION (ISCGAV '11)*, pp. 266 – 271, ISBN: 978-1-61804-027-5.
53.	**V. E. Neagoe** and A. Ciotec, Subject-Independent Emotion Recognition from Facial Expressions using a Gabor Feature RBF Neural Classifier Trained with Virtual Samples Generated by Concurrent Self-Organizing Maps, *Proceedings of the 11th WSEAS International Conference on SIGNAL PROCESSING, COMPUTATIONAL GEOMETRY And ARTIFICIAL VISION (ISCGAV '11)*, pp. 266 – 271, ISBN: 978-1-61804-027-5.
54.	**V. E. Neagoe** and C.E. Neghina, "An Artificial Immune System Approach for Unsupervised Pattern Recognition in Multispectral Remote-Sensing Imagery", *Proceedings of Applied Computing Conference 2011 (ACC '11)*, Angers, France, November 17-19, 2011, pp.228-233, ISBN: 978-1-61804-051-0.

Date

Signature

1.09.2021