

**ACADEMIC
CURRICULUM VITAE**

1. Name - Surname: John Bush IDOKO

2. Title: Assistant Professor Doctor

3. Educational Background:

Degree	Department/Program	University	Year
Bachelor's	Computer Science	Benue State University, Makurdi, Nigeria	2010
Master's	Computer Engineering	Near East University, Nicosia, TRNC	2017
PhD	Computer Engineering	Near East University, Nicosia, TRNC	2020

4. Master's / PhD Thesis

4.1. Master's Thesis Title and Thesis Advisor(s): Machine Learning Techniques for Breast Tissue Classification. Prof. Dr. Rahib Abiyev

4.2. PhD Thesis /Medical Specialty Thesis Title and Advisor(s): Deep Learning-Based Sign Language Translation System. Prof. Dr. Rahib Abiyev

5. Academic Titles:

Date of Assistant Professorship: 07/12/2021

6. Supervised Master's and PhD Theses:

6.1. Master's Theses

- Ahmed Conteh: An IoT – Based Smart Irrigation Monitoring System
- Bashir Abdinur Ahmed: Semantic Web Service Implementation & Integration of e-Government Based on Linked Data
- David Tumini Ogolo: A Semantic Portal to Improve Search on Rivers State's Independent National Electoral Commission
- Joseph Palmer: Virtual E-Learning System Design: An Improved Mordern Services For Education (A Case Study Of Sierra Leone's Public Universities)
- Mohammed Jameel Sadeq: Fuzzy System For Diagnosing Esophageal Cancer

7. Publications

7.1. Articles Published in International Peer-Reviewed Journals (SCI,SSCI, AHCI, ESCI, Scopus)

- Abiyev, R., Idoko, J. B., Altıparmak, H., &Tüzünkan, M. (2023). Fetal Health State Detection Using Interval Type-2 Fuzzy Neural Networks. *Diagnostics*, 13(10), 1690.
- BoranSekeroglu, RahibAbiyev, AhmetIlhan, Murat Arslan, John Bush Idoko. Systematic Literature Review on Machine Learning and Student Performance Prediction: Critical Gaps and Possible Remedies. *Appl. Sci.* 2021, 11(22), 10907.
- Idoko, John Bush; Abiyev, Rahib; Arslan, Murat. Impact of machine learning techniques on hand gesture recognition. *Journal of Intelligent & Fuzzy Systems*. DOI: 10.3233/JIFS-190353, 2019.
- Abiyev, R. H., Arslan, M., &Idoko, J. B. (2020). Sign Language Translation Using Deep Convolutional Neural Networks. *KSII Transactions on Internet & Information Systems*, 14(2).
- Abiyev, R.; Arslan, M.; Bush Idoko, J.; Sekeroglu, B.; Ilhan, A. Identification of Epileptic EEG Signals Using Convolutional Neural Networks. *Appl. Sci.* 2020, 10, 4089.
- Idoko JB, Arslan M, Abiyev R. Fuzzy Neural System Application to Differential Diagnosis of Erythematous-Squamous Diseases. *Cyprus J Med Sci* 2018; 3: 90-7.
- Abdulkader Helwan, Dilber Uzun Ozsahin, Rahib Abiyev, John Bush, One-Year Survival Prediction of Myocardial Infarction. *International Journal of Advanced Computer Science and Applications*, Vol. 8, No. 6, 2017 173-178.
- Mohammad Khaleel Sallam Ma'aitah, Rahib Abiyev and Idoko John Bush, Intelligent Classification of Liver Disorder using Fuzzy Neural System, *International Journal of Advanced Computer Science and Applications*, Vol. 8, No. 12, 2017.
- Abdulkader Helwan, John Bush Idoko, Rahib H Abiyev, Machine learning techniques for classification of breast tissue, *Procedia Computer Science*, 2017, 120:402-410. Elsevier.

7.2. Articles Published in Other International Peer-Reviewed Journals

- J.B. Idoko, R.H. Abiyev, and M.K. Ma'aitah, Intelligent machine learning algorithms for colour segmentation, *WSEAS Transactions on Signal Processing*, 2017.

7.3. Papers Presented at International Scientific Conferences and Published in Conference Proceedings

- Ikenna, U., Ugochukwu, G.I., Idoko, J.B., and Shaban, I.A. Traffic Warning System for Wildlife Road Crossing Accidents Using Artificial Intelligence. *International Conference on Transportation and Development*, USA 2020.

- Abiyev R.H., Idoko J.B., Dara R. (2022) Fuzzy Neural Networks for Detection Kidney Diseases. In: Kahraman C., Cebi S., CevikOnar S., Oztaysi B., Tolga A.C., Sari I.U. (eds) Intelligent and Fuzzy Techniques for Emerging Conditions and Digital Transformation. INFUS 2021. Lecture Notes in Networks and Systems, vol 308. Springer, Cham. https://doi.org/10.1007/978-3-030-85577-2_32.
- Idoko John Bush, Rahib Abiyev, Mohammad Ma'aitah Khaheel and Hamit Altiparmak. Integrated Artificial Intelligence Algorithm for Skin Detection. ITM Web of Conferences 16, 02004, 2018.
- Murat Arslan, Rahib Abiyev, Idoko John Bush. Head Movement Mouse Control Using Convolutional Neural Network for People with Disabilities. ICAFS 2018. Advances in Intelligent Systems and Computing, 896, XIV, pp.239-248.
- Idoko John Bush, Murat Arslan, Abiyev Rahib. (2019) Intensive Investigation in Differential Diagnosis of Erythematous-Squamous Diseases. ICAFS-2018. DOI: 10.1007/978-3-030-04164-9_21.
- Idoko John Bush, Kamil Dimililer, Static and Dynamic Pedestrian Detection Algorithm for Visual Based Driver Assistive System. ITM Web of Conferences 9, 03002 (2017).
- K. Dimililer, J.B. Idoko, Automated classification of fruits: pawpaw fruit as a case study, International Conference on Man–Machine Interactions, 2017, 365-374.

7.4. National/international Books or Book Chapters

- Idoko, J.B., Abiyev, R. (eds) Machine Learning and the Internet of Things in Education. Studies in Computational Intelligence, vol 1115. Springer, Cham.

8. Memberships in Scientific and Professional Organizations

- International Association of Engineers (IAENG)
- Applied Artificial Intelligence Research Center, NEU

9. Undergraduate and Graduate Courses Taught in the Last Two Years

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2021 - 2022	Fall	Automata Theory	3		36
	Fall	Systems Programming	3	1	11
	Fall	Engineering Management	3		34
	Fall	Object Oriented Programming II (Uni of Kyrenia)	3	1	4
	Fall	Database Management Systems (Uni of Kyrenia)	3	1	5

	Fall	Programming Languages Concepts (Uni of Kyrenia)	3	1	4
	Spring	Systems Simulation (Uni of Kyreni)	3	1	4
	Spring	Engineering Management	3		53
	Spring	Scientific Research Methods and Ethics	3		71
	Spring	Computer Skills for New Media	2	1	4
	Spring	Computer Architecture and Organization (Uni of Kyrenia)	3		4
	Spring	Programming Languages Concepts	3	1	3
	Spring	Neural Networks (Uni of Kyrenia)	3		3
2022 - 2023	Fall	Automata Theory	3		13
	Fall	Systems Programming	3	1	6
	Fall	Engineering Mmanagement	3		52
	Fall	Object Oriented Programming II (Uni of Kyrenia)	3	1	4
	Fall	Database Management System (Uni of Kyrenia)	3	1	4
	Fall	Computer Architecture and Organization (Uni of Kyrenia)	3		4
	Fall	Scientific Research Methods and Ethics	3		44
	Spring	Engineering Management	3		47
	Spring	Computer Skills for New Media	2	1	5
	Spring	Programming Languages Concepts (Uni of Kyrenia)	3	1	3
	Spring	Microprocessor (Uni of Kyrenia)	3	1	3
	Spring	Operating Systems (Uni of Kyrenia)	3		3
	Spring	Scientific Research Methods and Ethics	3		72