

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Adem ÖZYAVAŞ

Date and place of Birth: 13.09.1971, Istanbul

Nationality: Turkish

Gender: Male

Permanent Address: Istanbul, Turkey

E-mail: adem.ozyavas@gmail.com or ademozyavas@aydin.edu.tr

Phone no. : 0090 530 467 0982



EDUCATION

Qualification: B.Sc.

Major Field of Study: Communications

Degree Awarding Institute: Turkish War Academy

Date: 1993

Qualification: M.Sc.

Major Field of Study: Computer Sciences

Degree Awarding Institute: Texas Tech University.

Date: 2003.

Qualification: PHD

Major Field of Study: Computer Sciences

Degree Awarding Institute: Texas Tech University

Date: 2010.

EMPLOYMENT

- Teaching and Research Assistant, Texas Tech University, from 2000-2010.

- Assist. Prof. Dr. at Bluefield State College, West Virginia, from 2010-2017
- Assist. Prof. Dr. at Istanbul Aydin University, from 05/09/2017- Present.

RESEARCH FIELDS

Functional Program Verification, Programming Languages, Logic Programming, Image Processing, Artificial Neural Networks, Machine Learning, Big data, and Deep learning.

SOFTWARE EXPERIENCE

C/C++, Python, JAVA, JavaScript, Prolog, Linux Bash Scripting, Linux, Mac and Windows Operating Systems.

MASTER THESIS TITLE: “Semantics of SequenceL using Abstract State Machines”.

PHD THESIS TITLE: “Verification of SequenceL Programs Using Mizar”.

Conference Papers

- 1- Alaa Ali Hameed, Naim Ajlouni, Kaveh Dehghanian, Saed Moghimi, Adem Özyavaş, "Sonar Signals Discrimination Using BPVAM Algorithm", Applied Research International Conferences (ARICON), 2018.
- 2- Naim Ajlouni, Alaa Ali Hameed, Kaveh Dehghanian, Saed Moghimi, Adem Özyavaş, "Design of a Genetically Fuzzy mapped Swarms PID Controller for UAV", Applied Research International Conferences (ARICON), 2018.
- 3- Alaa Ali Hameed, Naim Ajlouni, Adem Özyavaş, Zeynep Orman, and Ali Güneş, “An Efficient Medical Diagnosis Algorithm Based on a Hybrid Neural Network with a Variable Adaptive Momentum and PSO Algorithm”, HORA2019.
- 4- Naim Ajlouni, Alaa Ali Hameed, Ali Güneş, Adem Özyavaş and Zeynep Orman, “The Use of a Robust-Adaptive Self Organizing Map to Enhance the Prediction Performance of Clinical Dataset”, HORA2019.
- 5- Naim Ajlouni, Zeynep Orman, Adem Özyavaş and Alaa Ali Hameed, “Intelligent Predictions of Parkinson’s Disease using Adaptive Back Propagation Neural Networks (ABPNN) Algorithm”, Global Conference on Neuroscience & Neurology (Conference date: August 24, 2019).

- 6- Alaa Ali Hameed, Naim Ajlouni, Zeynep Orman, Adem Özyavaş, “Epileptic Seizure Diagnoses system based on an Artificial Neural Network with Adaptive Momentum”, Global Conference on Neuroscience & Neurology (Conference date: August 24, 2019)
- 7- Naim Ajlouni, Alaa Ali Hameed, Zeynep Orman and Adem Özyavaş, “Investigating the Performance of Robust Adaptive SOM against Conventional and Modified SOM Algorithms”, Communications Faculty of Sciences University of Ankara Series A2-A3 Physical Sciences and Engineering (Conference date: Oct. 26, 2019).

Journal Papers

- 1- Alaa Ali Hameed, Naim Ajlouni, Zeynep Orman, Adem Özyavaş, “: Investigating the Effectiveness of Adaptive Step Size LMS Algorithms for the Use with VOIP Applications”, *Electrica*, 2020.
- 2- Alaa Ali Hameed, Naim Ajlouni and Adem Özyavaş, “Investigating the effectiveness of a BP with Variable Adaptive Momentum Compared to Conventional BP Algorithm”, *Network: Computation in Neural Systems* (under review).