

İBRAHİM ERŞAN

ASSOCIATE PROFESSOR

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Address : Keşan Sokak, No.4, Küçük Kaymaklı, Lefkoşa / KKTC

Education

Doctoral 2008 1/Haziran/2012	GİRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING->COMPUTER ENGINEERING PR. (ENGLISH) (FULL SCHOLARSHIP) (2012) Thesis Advisor:(Prof. Dr. Ali Haydar)
Master (Thesis) 1997 19/Nisan/2000	EASTERN MEDITERRANEAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF ELECTRICAL-ELECTRONICS ENGINEERING->ELECTRICAL-ELECTRONICS ENGINEERING PR. (ENGLISH) (PAID) (2000) Thesis Advisor:(Prof. Dr. Derviş Z. Deniz)
Bachelor's Degree 1992 6/Şubat/1997	EASTERN MEDITERRANEAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF ELECTRICAL-ELECTRONICS ENGINEERING->ELECTRICAL-ELECTRONICS ENGINEERING PR. (ENGLISH) (PAID)

Academic Title

ASSOCIATE PROFESSOR 2019	GİRNE AMERİCAN UNIVERSITY/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ
ASSISTANT PROFESSOR 2012-2019	GİRNE AMERİCAN UNIVERSITY/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ
LECTURER 2007-2012	GİRNE AMERİCAN UNIVERSITY/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ
LECTURER 2005-2006	GİRNE AMERİCAN UNIVERSITY/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ

Yönetilen Tezler: * Theses supervised at national/international universities or other institutions

1. Shahid Hassan, (2015). , Web Based Decision Support System using Analytic Hierarchy Process Method, ELEKTRİK VE ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/ELEKTRİK VE ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF ELECTRICAL-ELECTRONICS ENGINEERING
2. Anna Japhet Massala Nkouma, (2023). , Improvement of Overall Equipment Effectiveness through Total Productive Maintenance: Case of Congo Breweries, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING
3. Arkadiy Gorban, (2024). , Continuous Web Server Maintenance System, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING
4. Mustafa Buda, (2019). , Predicting Content Popularity of Facebook Pages, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING
5. Gabrielle Chilombo Mutunda, (2023). , Comparative Analysis of Engineering Methods for Mineral Identification: Case of the Hematite, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING
6. Tülin Kasımağa, (2018). , Applications of Big Data & The Effects of K-Means on Data Classification, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING
7. Pythagore Lutwamuzire Kyabutwa, (2023). , Analytic Hierarchy and Similation of The Process of Countries with Promising Mining Site Selection: The Study Case of Countries of The Great Lakes African Region, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF INDUSTRIAL ENGINEERING
8. Emine Elvin Bacı, (2021). , Different Application of Self-Organizing Feature Map for Clustering, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING
9. Hasan Muhtarogulları, (2018). , Computerized Control of a Robotic Arm Elhisabet, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING
10. Medine Albayrak, (2024). , Improving Information Security by Applying Cryptography with Steganography, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING
11. Hüseyin Sezer Solak, (2024). , A New Approach to Image Compression, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING
12. Salman Sahib Mohammed Gharib, (2019). , ANFIS Based UKF-SLAM for Path Planning of Mobile Robotics, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING
13. Ahmad Ghazi Al Shanty, (2016). , Trusted Third Party Authentication Protocol for Clustered Wireless Sensor Network, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING
14. Everistus Zeluwa Orji, (2024). , Sequence-To-Sequence Machine Learning For Image To Latex Conversion, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ,, GİRNE AMERİKAN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, GIRNE AMERICAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING

Administrative Position

Vice Dean 01.03.2025	GİRNE AMERİKAN UNIVERSITY->FACULTY OF ENGINEERING/MÜHENDİSLİK FAKÜLTESİ
Dean 01.09.2020-01.03.2025	GİRNE AMERİKAN UNIVERSITY->FACULTY OF ENGINEERING/MÜHENDİSLİK FAKÜLTESİ
Vice Dean 2019-2020	GİRNE AMERİKAN UNIVERSITY->FACULTY OF ENGINEERING/MÜHENDİSLİK FAKÜLTESİ
Head of Department 2012-2019	GİRNE AMERİKAN UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF COMPUTER ENGINEERING/MÜHENDİSLİK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ

Awards

- 30th Anniversary Certificate of Appreciation, GİRNE AMERİKAN ÜNİVERSİTESİ, THE TURKISH REPUBLIC OF NORTHERN CYPRUS, 2015

Courses *

Öğretim Dili Course Hour Semester

2025-2026

Bachelor's Degree Programme

Graduation Project I (CEN401)	English	3	Güz
Microprocessor (CEN301)	English	5	Güz
Mikroişlemciler (BIM301)	Turkish	5	Güz
Dosya Düzeni ve Erişim Metodları (BIM304)	Turkish	4	Bahar
Endüstri Mühendisliği Temelleri (MUH106)	Turkish	3	Bahar
File Organization and Access Methods (CEN304)	English	4	Bahar
Graduation Project II (CEN402)	English	3	Bahar
Fundamentals of Software Engineering (SEN201)	English	4	Güz
Software Design (CEN403)	English	4	Güz
Introduction to Cryptography (CEN479)	English	3	Bahar
Yazılım Tasarımı (BIM403)	Turkish	4	Güz

Master Programme

Cryptography (CEN577)	English	3	Bahar
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2024-2025

Bachelor's Degree Programme

Mezuniyet Projesi II (BIM402)	Turkish	3	Güz
Introduction to Programming (SEN101)	English	3	Güz

2023-2024

Bachelor's Degree Programme

Mezuniyet Projesi I (BIM401)	Turkish	3	Güz
Şifrelemeye Giriş (BIM479)	Turkish	3	Bahar
Computer Programming I (ENG102)	English	3	Yaz

Works

Articles published in international refereed journals:

1. ORJI EVERISTUS ZELUWA,HAYDAR ALİ ,ERŞAN İBRAHİM (2026). Inception-Transformer: End-To-End Printed Mathematical Expression Recognition Using Convolutional And Transformer Networks. *Nanotechnology Perceptions* (Publication No: 10271054)
2. Alshanty Ahmad,ERŞAN İBRAHİM (2026). Trusted Third Party Authentication Protocol Development for Clustered Wireless Sensor Networks. *International Journal of Communications, Network and System Sciences*, Doi: 10.4236/ijcns.2016.911037 (Publication No: 10270789)
3. ERŞAN İBRAHİM,HAYDAR ALİ (2026). The Use of Analytic Hierarchy Process for Prediction. *SAVAP International* (Publication No: 10270628)
4. ORJI EVERISTUS ZELUWA,HAYDAR ALİ ,ERŞAN İBRAHİM,Mwambe Othmar Othmar (2023). Advancing OCR Accuracy in Image-to-LaTeX Conversion—A Critical and Creative Exploration. *Applied Sciences*, 13, Doi: 10.3390/app132212503 (Publication No: 10271050)
5. TULGAR TAMER,HAYDAR ALİ ,ERŞAN İBRAHİM (2018). A Distributed K Nearest Neighbor Classifier for Big Data. *Balkan Journal of Electrical and Computer Engineering*, 6(2), 37-43., Doi: 10.17694/bajece.419551 (Publication No: 4292241)
6. TULGAR TAMER,HAYDAR ALİ ,ERŞAN İBRAHİM (2017). Data Distribution Aware Classification Algorithm based on K-Means. *INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS*, 8(9), 328-334. (Publication No: 4291772)
7. ERŞAN İBRAHİM,Deniz Derviş (2002). An academic decision-support system based on academic performance evaluation for student and program assessment. *INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION*, 18(2)-244. (Publication No: 10254048)

B. Papers presented at international scientific meetings and published in proceedings :

1. LOTFİ NASSER,ERŞAN İBRAHİM (2019). Modified Multi-objective Differential Evolution for Task Graph Scheduling in Heterogeneous Distributed Systems. *International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA) 2019* (Full Text Publication/Oral Presentation) (Publication No: 10270775)
2. TULGAR TAMER,HAYDAR ALİ ,ERŞAN İBRAHİM (2017). Z?KNN: A Novel Nearest Neighbor Classifier for Big Data Analysis. *IAREC2017, Int. Advanced Researches and Engineering Congress* (Full Text Publication/Oral Presentation) (Publication No: 4292338)
3. HAYDAR ALİ ,ERŞAN İBRAHİM (2015). Lossless Compression Based on Transition. *International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA) 2015* (Abstract/Oral Presentation) (Publication No: 10270617)
4. Muhtarogulları Hasan,ERŞAN İBRAHİM (2015). Modular Robotic Arm. *International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA) 2015* (Abstract/Oral Presentation) (Publication No: 10270610)
5. ERŞAN İBRAHİM (2015). Consumer Behaviour Analysis using Analytic Hierarchy Process. *International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA) 2015* (Abstract/Oral Presentation) (Publication No: 10270764)
6. ERŞAN İBRAHİM,Hassan Shahid (2014). Web Based Decision Support System using Analytic Hierarchy Process Method. *International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA) 2014* (Abstract/Oral Presentation) (Publication No: 10270607)
7. TULGAR TAMER,ERŞAN İBRAHİM (2013). Resource Throughput Improvement on the Cell-Edge in LTE Cellular Systems. *International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA) 2013* (Abstract/Oral Presentation) (Publication No: 10270458)
8. ERŞAN İBRAHİM,TULGAR TAMER (2013). Creating Surveys Using Artificial Agents. *International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA) 2013* (Abstract/Oral Presentation) (Publication No: 10270464)
9. ERŞAN İBRAHİM,HAYDAR ALİ (2012). Assesment of Indirect Factors Affecting Academic Performance Using Modified Analytic Hierarchy Process. *International Counseling and Education Conference (ICEC2012)* (Full Text Publication/Oral Presentation) (Publication No: 10270410)
10. Deniz Derviş,ERŞAN İBRAHİM (2001). Using an Academic DSS for Student, Course and Program Assesment. *International Conference on Engineering Education (ICEE'01)* (Full Text Publication/Oral Presentation) (Publication No: 10270123)

E. Papers presented at national scientific meetings and published in

1. ERŞAN İBRAHİM,HAYDAR ALİ (2012). Evaluation of Shopping Centers using Analytic Hierarchy Process. Yöneylem Araştırması ve Endüstri Mühendisliği 2012 Konferansı (Full Text Publication/Oral Presentation) (Publication No: 10270417)
2. ERŞAN İBRAHİM,Tanrıverdi Aytaç (2011). WEB Application Controlled Security and Inspection Robot. Yöneylem Araştırması ve Endüstri Mühendisliği 2011 Konferansı (Full Text Publication/Oral Presentation) (Publication No: 10270352)
3. Özbeşer Pınar,ERŞAN İBRAHİM,Karshenas Amir (2008). The Gossiping Problem. Yöneylem Araştırması ve Endüstri Mühendisliği 2008 Konferansı (Full Text Publication/Oral Presentation) (Publication No: 10270320)
4. Özbeşer Pınar,Karshenas Amir,ERŞAN İBRAHİM (2008). The Freeze-Tag Problem and Solution Approaches. Yöneylem Araştırması ve Endüstri Mühendisliği 2008 Konferansı (Full Text Publication/Oral Presentation) (Publication No: 10270333)
5. Karshenas Amir,ERŞAN İBRAHİM,Özbeşer Pınar (2008). Increasing Performance of Decision Support System in Hospitals by Applying Information Retrieval. Yöneylem Araştırması ve Endüstri Mühendisliği 2008 Konferansı (Full Text Publication/Oral Presentation) (Publication No: 10270341)
6. Deniz Derviş,ERŞAN İBRAHİM (2000). Academic Decision Support System Software Based on Academic Performance Evaluation. Yöneylem Araştırması ve Endüstri Mühendisliği 2000 Konferansı (Full Text Publication/Oral Presentation) (Publication No: 10270167)

Editor Position

1. International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA), Other Publications, Editor, GAU Engineering Faculty, 06.03.2019-09.03.2019
2. International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA), Other Publications, Editor, GAU Engineering Faculty, 01.11.2017-03.11.2017
3. International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA), Other Publications, Editor, GAU Engineering Faculty, 02.11.2016-04.11.2016
4. International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA), Other Publications, Editor, GAU Engineering Faculty, 04.11.2015-06.11.2015
5. International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA), Other Publications, Editor, GAU Engineering Faculty, 05.11.2014-07.11.2014
6. International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA), Other Publications, Editor, GAU Engineering Faculty, 06.11.2013-08.11.2013

Non-academic Experience

01.07.2001- 30.09.2005	Elektrik Mühendisi ve Elektrik Projeleri Sorumlusu	Avman Mimarlık Mühendislik Bürosu, (Commercial (Private))
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Workshop

801865	II. Bilişim Adası Çalıştayı, ARGE ve bilişim konularında üniversite sanayi işbirliği, Acapulco Hotel - Girne - KKTC, Workshop, 28.05.2015 -29.05.2015 (National)
801863	The International Higher Education Workshop (IHEW 2010), Katılımcı üniversiteler arasında eğitim kalitesinin artırılması konusunda fikir alış veriş, Girne Amerikan Üniversitesi, Workshop, 10.06.2010 - 11.06.2010 (International)
801946	GAÜ Medya, GAÜ'de İHA Projesi ve Detayları (https://www.youtube.com/watch?v=CpBXf5msroQ), Girne Amerikan Üniversitesi, Interview, 29.05.2023 -29.05.2023 (National)
801868	Nazar Erişkin'le "Herkes Günaydın" TV Programı, Bulut bilişimin geleceği ve bu konuda dikkat edilmesi gereken konular, FOG TV, Interview, 10.11.2012 -10.11.2012 (National)

Certificate

- 801705 Girne American University In-Service Training - 8, Time Management / Project Management, Girne American University - Millenium Hall, Certificate, 05.03.2026 -05.03.2026 (National)
- 801704 Girne American University In-Service Training - 7, Stress Management and Burnout Prevention, Girne American University - Millenium Hall, Certificate, 12.02.2026 -12.02.2026 (National)
- 801703 Girne American University In-Service Training - 6, Use of Artificial Intelligence and Digital Tools in Education, Girne American University - Millenium Hall, Certificate, 15.01.2026 -15.01.2026 (National)
- 801701 Girne American University In-Service Training - 5, Writing, Preparing and Funding Scientific Projects, Girne American University - Millenium Hall, Certificate, 18.12.2025 -18.12.2025 (National)
- 801700 Girne American University In-Service Training - 4, Academic Writing, Article Preparation, Publication Ethics, Plagiarism Prevention, Girne American University - Millenium Hall, Certificate, 27.11.2025 - 27.11.2025 (National)
- 801699 Girne American University In-Service Training - 3, Department/Unit Self-Assessment Report Writing Training, Girne American University - Millenium Hall, Certificate, 30.10.2025 -30.10.2025 (National)
- 801697 Girne American University In-Service Training - 2, Classroom Management and Student Motivation, Girne American University - Millenium Hall, Certificate, 23.10.2025 -23.10.2025 (National)
- 801694 Girne American University In-Service Training - 1, Course Syllabus/ECTS Calculation, Bloom Taxonomy, Rubric Preparation, Learning Outcomes, Program-Course Learning Outcomes Matrix, Resource Design, Girne American University - Millenium Hall, Certificate, 09.10.2025 -09.10.2025 (National)

Interview

- 801946 GAÜ Medya, GAÜ'de İHA Projesi ve Detayları (<https://www.youtube.com/watch?v=CpBXf5msroQ>), Girne Amerikan Üniversitesi, Interview, 29.05.2023 -29.05.2023 (National)
- 801868 Nazar Erişkin'le "Herkese Günaydın" TV Programı, Bulut bilişimin geleceği ve bu konuda dikkat edilmesi gereken konular, FOG TV, Interview, 10.11.2012 -10.11.2012 (National)