**CURRICULUM VITAE (SAMPLE FORMAT)**

**1. Name and Surname : Pouya BOLOURCHI**
**2. Date of Birth :**
**3. Title : Assoc. Prof. Dr.**
**4. Education Status : Ph.D.**
**5. Institution he/she is working at : Final International University**

| Degree | Department/Program | University | Year |
|---|---|---|---|
| Bachelor's Degree | Electrical and Electronic Engineering | Girne American University | 2006-2009 |
| Master's Degree | Electrical and Electronic Engineering | Eastern Mediterranean University | 2009-2012 |
| Doctorate | Electrical and Electronic Engineering | Eastern Mediterranean University | 2012-2017 |

**5. Academic Titles**

Date of the Associate Professorship :
Date of the Professorship :
Date of the Professoriate :

**6. Administered Postgraduate/ Doctoral Dissertations**

**6.1**. Postgraduate Dissertations:
**6.2.** Doctoral Dissertations**:**

**7. Publications**

**7.1.** Articles in Refereed International Journals (SCI, SSCI, Arts and Humanities)

1. Bolourchi, P (2023). Improved Gene Expression Diagnosis via Cascade Entropy-Fisher Score and Ensemble Classifiers, *Multimedia Tools and Applications* (accepted)
2. Bolourchi, P., & Gholami, M (2023). A Machine Learning-Driven Support Vector Regression Model for Enhanced Generation System Reliability Prediction, *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering* (accepted)
3. Bolourchi, P., & Gholami, M (2023). A Machine Learning-Based Data-Driven Approach to Alzheimer's Disease Diagnosis Using Statistical and Harmony Search Methods, *Journal of Intelligent & Fuzzy Systems* (accepted)
4. Bolourchi, P., Gholami, M., Beheshti, I., Moradi, M., and Demierl, (2023) MCI Conversion Prediction using 3D Zernike Moments and improved dynamic particle swarm optimization Algorithm, *applied sciences* 13, 4489. https://doi.org/10.3390/app13074489
5. Bolourchi, P., & Ghasemzadeh, A (2023). Majority Voting Based on Different Feature Ranking Techniques from Gene Expression Data. *Journal of Intelligent & Fuzzy Systems*. vol. 44, no. 6, pp. 9863-9877, 2023DOI:10.3233/JIFS-224029
6. Bolourchi, P., & Gholami, M (2022). A Real-World Industrial Application of Particle Swarm Optimization: Baghouse Designing, *International Journal of Computational Intelligence and Applications.* 21(3) 2250021-13 DOI: 10.1142/S1469026822500213
7. Bolourchi, P., & Gholami, M (2022). An Industrial Application of Improved Particle Swarm Optimization: Availability Assessment Of Electrostatic Precipitator, *International Journal of Energy and Environmental Engineering*. 29(6), 794-804, 2022 DOI: 10.23055/ijietap.2022.29.6.8477
8. Bolourchi, P., Moradi, M., Demirel, H., & Uysal, S. (2019). Improved SAR Target Recognition using Fisher Criterion and Data Fusion. *Signal, Image and Video Processing*. DOI:10.1007/s11760-019-01521-5

9. Bolourchi, P., Moradi, M., Demirel, H., & Uysal, S. (2019). Ensembles of classifiers for improved SAR image recognition using pseudo Zernike moments. *The Journal of Defense Modeling and Simulation*. DOI: 10.1177/1548512919844610
10. Bolourchi, P., Demirel, H., & Uysal, S. (2018). Entropy-score-based feature selection for moment-based SAR image classification. *Electronics Letters*, *54*(9), 593-595. DOI: 10.1049/el.2017.4419
11. Bolourchi, P. (2018). Interview. *Electronics Letters*, *54*(9), 540. DOI: 10.1049/el.2018.1185
12. Bolourchi, P., Demirel, H., & Uysal, S. (2017). Target recognition in SAR images using radial Chebyshev moments. *Signal, Image and Video Processing*, *11*(6), 1033-1040. DOI: 10.1007/s11760-017-1054-2

**7.2.** International Conferences

1. Bolourchi, P., & Gholami M. (2022, October). Alzheimer's Disease Detection by Applying Chebyshev Moments Followed by Genetic. *In 2022, 6th International Symposium on Multidisciplinary Studies and Innovative Technologies. IEEE*
2. Pouya Bolourchi, Masoud Moradi, Hasan Demirel and Sener Uysal, "Feature Fusion for Classification Enhancement of Ground Vehicle SAR Images", 2017 *UKSim-AMSS 19th International Conference on Modelling & Simulation*; 04/2017, DOI:10.1109/UKSim.2017.11
3. Pouya Bolourchi, Hasan Demirel and Sener Uysal, "Continuous Moment-Based Features for Classification of Ground Vehicle SAR Images*", 2016 European Modelling Symposium (EMS);* 11/2016, DOI:10.1109/EMS.2016.019
4. Pouya Bolourchi and Sener Uysal, "Forest Fire Detection in Wireless Sensor Network Using Fuzzy Logic", *Computational Intelligence, Communication Systems and Networks (CICSyN), 2013 Fifth International Conference on*; 06/2013, DOI:10.1109/CICSYN.2013.32
5. Pouya Bolourchi, Masoud Moradi, Hasan Demirel and Sener Uysal, "Random Forest Feature Selection for SAR-ATR," *UKSim-AMSS 20th International Conference on Computer Modelling and Simulation,* UKSim2018. DOI 10.1109/UKSim.2018.00028
6. Masoud Moradi, Pouya Bolourchi and Hasan Demirel "Alzheimer Detection by Utilizing Key Sliced Selection of 3D Images of MRI," *UKSim-AMSS 20th International Conference on Computer Modelling and Simulation,* UKSim2018. DOI 10.1109/UKSim.2018.00029

**7.3 Book Chapter**

1. Bolourchi, P., & Gholami M..Feature Selection based on Gabor Filter and BSO for Detecting Parkinson's Disease *Eğitim Yayınevi Innovations And Technologies In Engineering* PP159-170 (2022)

## 8. Projects

Analysis of Antenna Using Moment Method

Analysis of patch Antenna Using FDM and FDTD Methods

## 9. Administrative Duties

Head of Electrical and Electronic Engineering (01.06.2022-Present)

Coordinator of Engineering Faculty (01.07.2021-Present)

Acting Dean (July 2020-August2020)

Coordinator in Electrical and Electronic Engineering at Final International University (June 2019-Present)

Exam Coordinator at Final International University (September 2017-June 2018)

HEAD of Assistants in Electrical and Electronic Engineering at Eastern Mediterranean University (September 2015-June 2017)

Exam Coordinator in Electrical and Electronic Engineering at Eastern Mediterranean University (September 2015-June 2017)

**10. Memberships in Scientific and Professional Organizations**

**11. Awards**

A certificate for helping departmental Administration to Organize the ABET (Accreditation Board for Engineering and Technology), Electrical and Electronic Engineering Department (September 2016)

A certificate for completing Ph.D. courses with a high CGPA in Electrical Engineering in Ph.D. Program (November 2015)

A certificate for graduating with high honor in Electrical Engineering in BSc Program (June 2009)

A certificate for achieving first grade in electromagnetic among 59 Students (2007-2008)

Full Scholarship during bachelor's degree (2006-2009)

**12. Please fill in the table below for the courses you have given at the undergraduate and graduate level courses in last two years.**

| Academic Year | Semester | Course Name | Weekly Hour | | Number of Students |
|---|---|---|---|---|---|
| | | | Theoretical | Practice | |
| **2023-2024** | **Fall** | Electromagnetics I **ELEE351/ELEC252** | 4 | 0 | 11 |
| | | Electromagnetics II **ELEC351** | 3 | 0 | 6 |
| | | Advanced Digital Signal Pprocessing **ELEE502** | 3 | 0 | 16 |
| | | Engineering Design I **ELEC 401** | 1 | 4 | 6 |
| | | Engineering Design II **ELEC 402** | 0 | 8 | 2 |
| | | Summer Training **ELEC 403** | 0 | 0 | 7 |
| | **Spring** | Electromagnetics II **ELEC351/ELEE352** | 4 | 0 | 10 |
| | | Circuit theory II **ELEC232/ELEE232** | 3 | 2 | 8 |
| | | Engineering Design I **ELEC 401** | 1 | 4 | 5 |

| | | | | | |
|---|---|---|---|---|---|
| | | Engineering Design II **ELEC 402** | 0 | 8 | 3 |
| | | Seminar **ELEE590** | 0 | 0 | 1 |
| | | Thesis Proposal **ELEE592** | 0 | 0 | 1 |
| **2022-2023** | **Fall** | Circuit theory I **ELEC 231/ELEE231** | 3 | 2 | 66 |
| | | Electrical Circuits **ELEC 235** | 3 | 2 | |
| | | Electrical Circuits for Software Engineers **SOFT 235** | 3 | 2 | |
| | | Electromagnetics II **ELEC 351** | 3 | 0 | 11 |
| | | Advanced Digital Image Processing **ELEE533** | 3 | 0 | 1 |
| | | Digital Image Processing **COMP 473** | 3 | 0 | 16 |
| | | Engineering Design I **ELEC 401** | 1 | 4 | 6 |
| | | Engineering Design II **ELEC 402** | 0 | 8 | 1 |
| | | Summer Training **ELEC 403** | 0 | 0 | 7 |
| | **Spring** | Electromagnetics I **ELEC 252** | 4 | 0 | 10 |
| | | Circuit theory II **ELEC 232/ELE232** | 3 | 2 | 8 |
| | | Engineering Design I **ELEC 401** | 1 | 4 | 5 |
| | | Engineering Design II **ELEC 402** | 0 | 8 | 3 |
| | | Seminar **ELEE590** | 0 | 0 | 1 |
| | | Thesis Proposal **ELEE592** | 0 | 0 | 1 |
| | | Advanced Digital Signal Processing **ELEE502** | 3 | 0 | 1 |