

EK-4
ÖZGEÇMİŞ

1. **Adı Soyadı:** Professor Mohammad Khoshnevisan
2. **Doğum Tarihi:** 01.08.1969
3. **Unvanı:** Profesör
4. **Öğrenim Durumu:** Ph.D

Research Areas :

Deep Learning/Machine Learning in Engineering, Physics, and Medicine

Derece	Alan	Üniversite	Yıl
Lisans	Mathematics	Christian Brothers University, USA	1992
Y. Lisans	Economics	University of Wollongong, Australia	1994
Doktora	Ph. D-Engineering (Department of Computer Science and Software Engineering, Faculty of Engineering)	University of Melbourne, Australia	2000

5. Akademik Unvanlar:

Yardımcı Doçentlik Tarihi : 2000-2003 (Australia)

Doçentlik Tarihi : 2004-2018 (Australia, Saudi Arabia, and UAE)

Profesörlük Tarihi : 2018 (USA)

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

1. **Information fusion and machine learning models to predict future claims of health insurance customers by Alierza Shirani Bidabadi.**

2. **Optimizing False Alarms in Automated Teller Machines (ATMs) with Data Fusion Methods by Alireza Safarzadeh.**

3. **Cancer detection using an ensemble of deep neural networks by Mohammad Dehghan Rouzi.**

6.2. Doktora Tezleri

1 Ph.D Thesis- Australia- Associate Supervisor-2004

Ph.D examiner. Examined the following Ph.D. dissertations.

1. **Forecasting Financial Crises Using a Neural Network Approach submitted by Juliana Yim, The Royal Melbourne Institute of Technology, Australia.**

2. **Mixed Transfer Function Neural Networks for Generalization and Knowledge Extraction submitted by Iman Khan, Deakin University, Australia.**

3. **3D Depth Estimation Using Wavelet Analysis Based Stereo Vision Approach submitted by Asim Bhatti, Deakin University, Australia.**

4. **Human Perception Washout Filtering submitted by Houshyar Asadi, Deakin University, Australia.**

5. Motion/Force Transmission Analysis of Axis-Symmetric Parallel Mechanisms with Closed-Loop Sub-Chains submitted by Kristan Marlow, Deakin University, Australia.

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI & SSCI & Arts and Humanities)

Recent Publications

1. Applications of pre-trained CNN models and data fusion techniques in Unity3D for connected vehicles, Applied Intelligence, 2025 with Norouzi, M., Hosseini, S.H, Moshiri, B. [publisher: Springer Nature Switzerland AG]. Indexed in Science Citation Index Expanded.

2. Multilabel artificial intelligence model for online monitoring of electrical discharge turning by audio-based signals, The International Journal of Advanced Manufacturing Technology, 2024 with Soleymani, M., Khoshnevisan, M., Hadad, Mohasel Afshari, B, [publisher: Springer Nature Switzerland AG]. Indexed in Science Citation Index Expanded

3. Prediction of micro-hardness in thread rolling of St37 by convolutional neural networks and transfer learning, The International Journal of Advanced Manufacturing Technology,2022 with (Soleymani, M., Davoodi and Davoodi, B). [publisher: Springer Nature Switzerland AG]. Indexed in Science Citation Index Expanded

4. An evaluation of the surface integrity and corrosion behavior of Ti-6Al-4 V processed thermodynamically by PM-EDM criteria, The International Journal of Advanced Manufacturing Technology,2022 with (Ilani, M.A). [publisher: Springer Nature Switzerland AG]. Indexed in Science Citation Index Expanded

5. An Integration of Genetic Feature Selector, Histogram-Based Outlier Score, and Deep Learning for Wind Turbine Power Prediction, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 2022 with (Parastou Fahim, Nima Vaezi, and Amin Shahraki). [Publisher: Taylor & Francis]. Indexed in Science Citation Index Expanded.

6. Mathematical and physical modeling of FE-SEM surface quality surrounded by the plasma channel within AI powder-mixed electrical discharge machining of Ti-6Al-4V, The International Journal of Advanced Manufacturing Technology, 2021 with (Ilani, M.A). [publisher: Springer Nature Switzerland AG]. Indexed in Science Citation Index Expanded.

7. Study of surfactant effects on intermolecular forces (IMF) in powder-mixed electrical discharge machining (EDM) of Ti-6Al-4V, The International Journal of Advanced Manufacturing Technology, 2021 with (Ilani, M.A). [publisher: Springer Nature Switzerland AG]. Indexed in Science Citation Index Expanded

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

1. Breast Cancer Detection with an Ensemble of Deep Learning Networks Using a Consensus-Adaptive Weighting Method", Journal of Imaging, 2023 with (Mohammad Dehghan Rouzi, Behzad Moshiri, Mohammad Ali Akhaee, Farhang Jaryani, Samaneh Salehi Nasab and Myeounggon Le). [Publisher: MDPI]. Indexed in Web of Science Core Collection: Emerging Sources Citation Index and Scopus.

2. Blind Spot Detection System in Vehicles Using Fusion of Radar Detections and Camera Verification, International Journal of Intelligent Transportation Systems Research, 2021 with (S.S., Gale Bagi, B. Moshiri, and H. G. Garakani. [Publisher: Springer Nature Switzerland AG]. Indexed in Web of Science Core Collection: Emerging Sources Citation Index and Scopus.

3. Powder mixed-electrical discharge machining (EDM) with the electrode is made by fused deposition modeling (FDM) at Ti-6Al-4V machining procedure, Multiscale and Multidisciplinary Modeling, Experiments and Design, (2020) with (Ilani, M.A.), [publisher: Springer Nature Switzerland AG]. Indexed in Web of Science Core Collection: Emerging Sources Citation Index and Scopus.

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (*Proceedings*) basılan bildiriler

1. Sensing Structure for Blind Spot Detection System in Vehicles," International Conference on Control, Automation, and Information Sciences, 2019 with (S. S. Gale Bagi, H. G. Garakani, B. Moshiri), [Publisher: IEEE] indexed by Inspec, Compendex, and Scopus.

2. Neutrosophic information fusion applied to financial market--Proceedings of the 6th International Conference on Information Fusion, FUSION 2003 with (Bhattacharya, S), [Publisher: IEEE]- indexed by Inspec, Compendex, and Web of Science.

3. Optimal plant layout design based on mass algorithm-Proceedings of the 6th International Conference on Information Fusion, FUSION 2003 with (Bhattacharya, S), [Publisher: IEEE]-indexed by Inspec, Compendex, and Web of Science.

4. A short note on financial data set detection using neutrosophic probability, Proc. of the First International Conference on Neutrosophy, Neutrosophic Logic, Neutrosophic Set, Neutrosophic Probability and Statistics, University of New Mexico, USA (2001) with (Bhattacharya, S).

5. Morphological heart arrhythmia detection using hermitian basis functions and k-NN classifier 28th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, (2006), with (Karimifard. S, Ahmadian. A), [Publisher: IEEE]

6. A Different Mathematical Perspective " On The Ponderomotive Forces Exerted On Bodies At Rest In The Electromagnetic Field" by A.Einstein and J.Laub(1908), 2018 Annual Meeting of the American Physical Society, Four Corners Section, Volume 63, Number 16. (Abstract)

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

Vibrational Mechanics by Maple Practical Applications- Published by Qatar University Press-2023

Websites:

<https://www.maplesoft.com/books/details.aspx?id=638>

<https://qspace.qu.edu.qa/handle/10576/38644>

7.5. Ulusal hakemli dergilerde yayınlanan makaleler (N/A)

7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler (N/A)

7.7. Diğer yayınlar

INDEXED CHAPTERS

1. Neutrosophic systems and time allocation of money- Artificial intelligence and responsive optimization-2003-Chapter with (Bhattacharya, S and Smarandache, F), indexed by Inspec.

2. Computational Exploration of Investor Utilities Underlying a Portfolio Insurance Strategy- Artificial intelligence and responsive optimization-2003-Chapter with (Bhattacharya, S and Smarandache, F), indexed by Inspec.

3. Counter-examples to Dempster's rule of combination-Advances and Applications of DSMT for

Information Fusion-2004-with (J. Dezert and F. Smarandache), indexed by the Association for Computing Machinery (ACM), Inspec, and Web of Science.

8. Projeler

Artificial Intelligence Projects

1. Artificial Intelligence in Gastroenterology and Hepatology- Using Artificial Intelligence/Deep Learning to classify Nonalcoholic Fatty Liver Disease, Nonalcoholic Steatohepatitis, Cirrhosis, and Hepatocellular Carcinoma.

2. Neurogastroenterology – Employing Artificial Intelligence/Convolutional Neural Networks to evaluate the Vagus nerve (Cranial nerve X) functionality via ultrasonography to understand Irritable Bowel Syndrome (IBS). There could be some changes in the dimension of the Vagus nerve.

3. AI in Neurosurgery- Using Artificial Intelligence to Classify the Severity of Lumbar Spinal Stenosis.

9. İdari Görevler (N/A)

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

IEEE, American Physical Society, and the European Physical Society

11. Ödüller

1. Certificate of Achievement for my contribution to the BISC-FLINT-CIBI international joint workshop on soft computing for internet and bioinformatics from the world-renowned scientist, late Professor Emeritus Lotfi A. Zadeh, University of California-Berkeley.

2. Certificate of Appreciation for my contribution to science by the Maths and Science Department- University of New Mexico- USA

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
	Güz	Mecburi İngilizce Dersi			
		Machine Learning	Teorik		
		Deep Learning(Undergraduate and Postgraduate)			
		Principles of Programming Languages			
	İlkbahar	Discrete Computational Structures			
	Güz		Teorik		
	İlkbahar		Teorik		
	Yaz Okulu				

Not: Açılmışsa, yaz döneminde verilen dersler de tabloya ilave edilecektir.