

**ACADEMIC  
CURRICULUM VITAE**

**1. Name - Surname:** Kaan Uyar

**2. Title:** Assistant Professor Doctor

**3. Educational Background:**



Degree	Department/Program	University	Year
Bachelor's (BSc)	Electrical and Electronics Engineering	Anadolu Univ.	1992
Bachelor's (BA)	Public Administration	Anadolu Univ.	1998
Master's (MA)	International Relations	Near East Univ.	1994
Master's (MSc)	Computer Engineering	European Univ. of Lefke	1999
PhD	Computer Engineering	Near East Univ.	2006

**4. Master's / PhD Thesis**

**4.1. Master's Thesis Title:**

Computerized Car Park System of the European University of Lefke (1999). Supervisor: Prof. Dr. Karuppanan Balasubramanian.

**4.2. PhD Thesis /Medical Specialty Thesis Title :**

Recurrent Fuzzy Neural Network based Modeling and Control of Batteries Charging Process (2006). Supervisor: Prof. Dr. Rafik A. Aliev, Prof. Dr. Perviz Ali-zade.

**5. Academic Titles:**

Date of Assistant Professorship: 2008

Date of Associate Professorship: -

Date of Professorship: -

**6. Supervised Master's and PhD Theses:**

**6.1. Master's Theses**

**6.1.1.** Rifat Dover (2010). Mobile Robot Navigation in Uncertain 3-D Environments, Near East Univ., Computer Engineering. Supervisor: Rahib H. Abiyev. Co-supervisor: Kaan Uyar.

**6.1.2.** Macmillan Tafadzwa Nyamukondiwa (2018). Adaptive Learning Management System based on Learner's Prior Knowledge and Performance, Near East Univ., Information Systems Engineering.

**6.1.3.** Gezahegn Mulusew Delele (2019). Web Accessibility of the Ethiopian Governmental Websites, Near East Univ., Software Engineering. Co-supervisor: Erkut İ. İşeri.

**6.1.4.** Alem Habtemariam Bezu (2019). E-government in Ethiopia, Near East Univ., Information Systems Engineering. Co-supervisor: Erkut İ. İşeri.

**6.1.5.** Mohamed Abdullahi Mohaud Shurie (2021). Web Based Repository System for Graduation Projects, Near East Univ., Software Engineering.

## **6.2. PhD Theses**

**6.2.1.** Allam R. M. Abumwais (2022). "High-Performance Topology, Scalable Network on-Chip for Many-Core System", Near East Univ., Computer Engineering, 2022. Department of Computer and Instructional Technology, Institute of Educational Sciences Near East University. Supervisor: Adil Amirjanov, Co-supervisor: Kaan Uyar.

## **7. Publications.**

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

**7.1.1.** Aliev, R.A., Aliev, R.R., Guirimov, B., **Uyar, K.** (2008). Dynamic Data Mining Technique for Battery Charging Rules Extraction. Applied Soft Computing, Volume 8, Issue 3, pp: 1252-1258. DOI: 10.1016/j.asoc.2007.02.015

**7.1.2.** Abiyev, R.H., **Uyar, K.**, İlhan, U., Imanov, E., Abiyeva, E. (2018). Estimation of Food Security Risk Level Using Z-number Based Fuzzy System. Journal of Food Quality, vol.2018, ArticleID 2760907, 9 pages. DOI:10.1155/2018/2760907.

**7.1.3.** İseri, E.İ., **Uyar, K.**, İlhan, U. (2019). Forecasting Measles in European Union by using Adaptive Neuro-Fuzzy Inference System. Cyprus Journal of Medical Sciences, Cyprus J Med Sci 2019; 4(1): 34-7, DOI: 10.5152/cjms.2019.61134.

**7.1.4.** **Uyar, K.**, Delele, G.M., İseri, E.İ. (2020). Web Accessibility of the Federal Democratic Republic of Ethiopia Governmental Websites. International Journal of Computer Science and Network Security, VOL.20 No.6, pp. 144-151. DOI:

10.22937/IJCSNS.2020.20.06.16.

**7.1.5.** Abumwais, A., Amirjanov, A., **Uyar, K.**, Eleyat, M. (2022). Dual-Port Content Addressable Memory for Cache Memory Applications. CMC-Computers, Materials and Continua, 70(3), 4583–4597. DOI: 10.32604/cmc.2022.020529

**7.1.6.** Altinay, F., Altinay, Z., Özkum, D., Demirok, M.S., Burgul, N., Akdağ, Ş., **Uyar, K.**, Duman, Ü., Çelebi, M., Genç, İ., Kanbul, S. (2023). A Comprehensive Look into Monitoring Disability Rights: A Case of Northern part of Cyprus by Disability Rights Monitoring Committee at Near East University. Nafath, 8(23). DOI: 10.54455/MCN2302.

## **7.2. Articles Published in Other International Peer-Reviewed Journals**

**7.2.1.** Uyar, K. (2005). Recurrent Fuzzy Neural Network Based Modeling and Control of Nickel Cadmium Batteries Charging. Journal "Knowledge" ("Technical Sciences"), 3-4, 6-16, Azerbaijan.

**7.2.2.** Mamedov, H., Ali-Zade, K., Uyar, K. (2006). Extension of the storage battery's service life by the untraditional operated charge-discharge method. Power Engineering, No:1-2, pp: 101-107, Azerbaijan.

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

**7.3.1.** Mamedov, F., Unsalan, D., **Uyar, K.** (2000). Distance Education Possibilities for Northern Cyprus Universities. Int. Conf. on Information Technology Based Higher Education and Training (ITHET'2000), Istanbul, Türkiye, 249-252.

**7.3.2.** Ali-zade, P., **Uyar, K.** (2004). A New Approach for Portable Computer Accumulator Battery Life Saving Charging. 2nd International Electrical, Electronics and Computer Engineering Symposium (NEU-CEE'2004) Nicosia, TRNC, 334-338.

**7.3.3.** Ali-zade, P., **Uyar, K.** (2004). A fuzzy Controller Approach to Accumulator Battery Life Saving Electrical Desulfatation. Int. Conf. on Computational Intelligence (ICCI'2004), Nicosia, TRNC, 143-147.

**7.3.4.** İlhan, U., **Uyar, K.** (2004). A Comparative Curricular Study on the Outside Major Disciplinary Area in Computer Engineering Departments of North Cyprus Universities. 3rd FAE International Symposium, Gemikonağı, TRNC, 323-326.

- 7.3.5.** Ali-zade, P., **Uyar, K.** (2004). Ni-Cd Battery Fuzzy Controlled Charger Rules Based on Internal Resistance Data. 3rd FAE International Symposium, Gemikonağı, TRNC, 369-373.
- 7.3.6.** **Uyar, K.** (2005). Fuzzy-Neural Control System for Nickel Cadmium Battery Charging. Third Int. Conf. on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control (ICSCCW-2005), Antalya, Türkiye, 168-178.
- 7.3.7.** **Uyar, K.** (2005). Modelling of Nickel Cadmium Batteries. Third Int. Conf. on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control (ICSCCW-2005), Antalya, Türkiye, 263-268.
- 7.3.8.** **Uyar, K.** (2006). Modeling and Simulation of NiCd Batteries Behavior Under Fast Charging with Genetic Algorithm Based Trained Recurrent Fuzzy Neural Network. Seventh Int. Conf. on Application of Fuzzy Systems and Soft Computing (ICAFS – 2006), Siegen, Germany, 247-255.
- 7.3.9.** **Uyar, K.** (2006). A Novel Intelligent Approach for Modeling and Control of Non-linear Dynamic Systems. 3rd International Electrical, Electronics and Computer Engineering Symposium (ISEECE'2006), Nicosia, TRNC, 291-296.
- 7.3.10.** **Uyar, K.,** Ilhan, Ü. (2006). Soft Computing for Long Term Electric Load Forecasting of TRNC. 3rd International Electrical, Electronics and Computer Engineering Symposium (ISEECE'2006), Nicosia, TRNC, 297-300.
- 7.3.11.** **Uyar, K.,** Ilhan, U. (2006). A Comparison of Computer Engineering Curricula of the Cyprus Island Universities. 4th FAE International Symposium, Vol. 2, Gemikonağı, TRNC, 487-492.
- 7.3.12.** Guirimov, B., Ilhan, I, **Uyar, K.** (2007). Neuro-fuzzy type 2 system for loan assessment. Int. Conf. on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control (ICSCCW'2007), Antalya, Türkiye.
- 7.3.13.** Aliev, R.A., Aliev, R.R., Guirimov, B.G., **Uyar, K.** (2007). Recurrent Fuzzy Neural Network Based System for Battery Charging. ISSN 2007, LNCS 4492, Part II, Springer-Verlag Berlin Heidelberg, pp. 307–316.
- 7.3.14.** **Uyar, K.,** Ilhan, Ü. (2009). Fuzzy Type 2 Inference System for Credit Scoring", 11<sup>th</sup> WSEAS Int. Conf. on Automatic Control, Modelling and Simulation (ACMOS09), Istanbul, Türkiye.
- 7.3.15.** **Uyar, K.** (2011). Tourist Arrival Forecasting by using the Genetic Algorithm based Trained Recurrent Fuzzy Neural Networks. Sixth Int. Conf. on Soft Computing, Computing

with Words and Perceptions in System Analysis, Decision and Control (ICSCCW2011), Antalya, Türkiye, 261-271.

**7.3.16.** Abiyev, R. H., **Uyar, K.**, Imanov, E., Dover, R. (2012). Behaviour based mobile robot navigation in 3d workspace. 10th Int. Conf. on Application of Fuzzy Systems and Soft Computing (ICAFS-2012), Lisbon, Portugal, 229-236.

**7.3.17.** İlhan, U., **Uyar, K.**, Donangil, O. (2012). Forest fires predictions using meteorological data and recurrent fuzzy neural networks. EEECS12 the 7th International Symposium on Electrical and Electronics Engineering and Computer Systems, Gemikonagi, TRNC, 40-45.

**7.3.18.** **Uyar, K.**, İlhan, U. (2013). Energy performance estimation of residential buildings by using type-2 fuzzy neural networks with fuzzy clustering and differential evolution optimization. 7th Int. Conf. on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control, İzmir, Türkiye, 285-293.

**7.3.19.** **Uyar, K.**, İlhan, U. (2014). US Unemployment Rate Forecasting using Recurrent Fuzzy Neural Networks. 11th Int. Conf. on Application of Fuzzy Systems and Soft Computing (ICAFS-2014), Paris, France, 131-139.

**7.3.20.** Abiyev, R.H., **Uyar, K.**, İlhan, U., Imanov, E. (2016). Assessment of Food Security Risk Level Using Type 2 Fuzzy System", 12th Int. Conf. on Application of Fuzzy Systems and Soft Computing, ICAFS 2016, Vienna, Austria, Procedia Computer Science, Vol. 102, 547–554. DOI: 10.1016/j.procs.2016.09.441.

**7.3.21.** **Uyar, K.**, İlhan, U., İlhan, A. (2016). Long Term Dry Cargo Freight Rates Forecasting by Using Recurrent Fuzzy Neural Networks. 12th Int. Conf. on Application of Fuzzy Systems and Soft Computing, ICAFS 2016, Vienna, Austria, Procedia Computer Science, Vol. 102, 642–647. DOI: 10.1016/j.procs.2016.09.455

**7.3.22.** **Uyar, K.**, İlhan, A. (2017). Diagnosis of heart disease using genetic algorithm based trained recurrent fuzzy neural networks. The 9th Int. Conference on Theory and Application of Soft Computing, Computing with Words and Perception (ICSCCW- 2017), Budapest, Hungary, Procedia Computer Science, Vol. 120, 588–593.

**7.3.23.** Iseri, E.I., **Uyar, K.**, İlhan, U. (2017). The Accessibility of Cyprus Islands' Higher Education Institution Websites", The 9th Int. Conference on Theory and Application of Soft Computing, Computing with Words and Perception (ICSCCW-2017), Budapest, Hungary, Procedia Computer Science, Vol. 120, 967–974.

- 7.3.24.** Iseri, E.I., **Uyar, K.**, İlhan, U. (2017). Accessibility of the Cyprus Island Municipal Websites. 9th Int. Conference on Computational Intelligence and Communication Networks (CICN 2017), Girne, Cyprus, 72 -76. DOI: 10.1109/CICN.2017.8319359.
- 7.3.25.** Iseri, E.I., **Uyar, K.**, İlhan, U. (2018). Forecasting Measles in European Union by using Adaptive Neuro-Fuzzy Inference System. Second International Biomedical Engineering Congress 2018 (IBMEC-2018), TRNC, Abstract book p.91.
- 7.3.26.** İlhan, U., **Uyar, K.**, Iseri, E.I. (2018). Web Accessibility of the Cyprus Island Higher Education Institution Libraries. 7th Int. Conf. on Theory and Practice in Modern Computing (TPMC 2018), Madrid, Spain, 121-128.
- 7.3.27.** Iseri, E.I., **Uyar, K.**, İlhan, U. (2018). Forecasting Measles in European Union by using Adaptive Neuro-Fuzzy Inference System. Second International Biomedical Engineering Congress 2018 (IBMEC-2018), TRNC, Abstract book p.91.
- 7.3.28.** **Uyar, K.**, İlhan, U., Iseri, E.I., İlhan, A. (2019). Forecasting Measles Cases in Ethiopia using Neuro- Fuzzy Systems. International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT) 2019, Ankara, Türkiye. DOI:10.1109/ISMSIT.2019.8932882.
- 7.3.29.** **Uyar, K.**, İlhan, U., İlhan, A., Iseri, E.I. (2020). Breast Cancer Prediction using Neuro-Fuzzy Systems. 2020 7th International Conference on Electrical and Electronics Engineering (ICEEE2020),Antalya,Türkiye.DOI:10.1109/ICEEE49618.2020.9102476. (Scopus)
- 7.3.30.** İlhan, U., Iseri, E.I., **Uyar, K.** (2020). Web Accessibility of e-Government Portals and Ministry Websites of the Cyprus Island. 4th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT) 2020, Türkiye. DOI: 10.1109/ISMSIT50672.2020.9254996.
- 7.3.31.** İlhan, U., **Uyar, K.**, Iseri, E.I. (2020). Breast Cancer Classification using Deep Learning. 14th International Conference on Application of Fuzzy Systems and Soft Computing-ICAFS 2020, Budva-MONTENEGRO, Advances in Intelligent Systems and Computing, vol 1306, Springer, Cham, 709-714. DOI: 10.1007/978-3-030-64058-3 88
- 7.3.32.** İlhan, U., İlhan, A., **Uyar K.**, Iseri, E.I. (2021). Classification of Osmancik and Cammeo Rice Varieties using Deep Neural Networks, 2021 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), 587-590. DOI: 10.1109/ISMSIT52890.2021.9604606.

**7.3.33.** Iseri E.I., **Uyar, K.**, İlhan, U. (2021). The Accessibility of Health Related Websites of Cyprus Island, 2021 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), 581-586. DOI: 10.1109/ISMSIT52890.2021.9604555.

**7.3.34.** İlhan, U., Uyar K., Iseri, E.I. (2021). Breast Cancer Classification using Deep Learning. In: Aliev R.A., Kacprzyk J., Pedrycz W., Jamshidi M., Babanlı M., Sadikoglu F.M. (eds) 14th International Conference on Theory and Application of Fuzzy Systems and Soft Computing – ICAFS-2020. ICAFS 2020. Advances in Intelligent Systems and Computing, vol 1306, Springer, Cham, 709-714. DOI: 10.1007/978-3-030-64058-3\_88

**7.3.35.** Iseri, E.I., **Uyar, K.**, İlhan, U. (2023). Web Accessibility of the Cyprus Island Food Retailers' Websites. 5th International Congress on Human-Computer Interaction, Optimization and Robotic Applications. 2023, Istanbul, Türkiye, DOI: 10.1109/HORA58378.2023.10156ç

**7.3.35.** Uyar, K., İlhan, Ü. (2007). Esnek Hesaplama Yolu ile Uzun Vadede Kuzey Kıbrıs Türk Cumhuriyeti Elektrik Tüketiminin Tahmini. Enerji Politikaları Sempozyumu, Kuzey Kıbrıs'ta Enerji-Sorunlar-Öneriler, KTMMOB, Lefkoşa, KKTC, 91-96. (National)

#### **7.4. National/international Books or Book Chapters**

**7.4.1.** Ibrahim, D., **Uyar K.** (2006). 8085 Microprocessor Laboratory Manual. Yakın Doğu Ün. Matbaası, KKTC. ISBN: 975-8359-37-1. (Book)

**7.4.2.** Ibrahim, D., **Uyar, K.** (2006). The 8080 and 8085 Microprocessors and Peripherals. Bileşim Yayıncılık, Türkiye. ISBN: 975-271-172-3. (Book)

**7.4.3.** Ibrahim, D., **Uyar, K.** (2006). 8085 Microprocessor Experiments. Bileşim Yayıncılık, Türkiye. ISBN: 975-271-107-3. (Book)

**7.4.4.** Ibrahim, D., **Uyar, K.** (2006). 8080/8085 Mikroişlemciler ve Çevre Elemanları. Bileşim Yayıncılık, Türkiye. ISBN: 975-271-171-5. (Book)

**7.4.5.** Ibrahim, D., Uyar, K. (2006). 8085 Mikroişlemcisiyle Deneyler. Bileşim Yayıncılık, Türkiye. ISBN: 975-641-043-4. (Book)

**7.4.6.** **Uyar, K.**, Dirilenoglu, F., Mirzaei, O., İlhan, U. (2024). Colon adenocarcinoma diagnosis on histopathological images using deep learning. Artificial Intelligence of Things (AIoT) Current and Future Trends, Volume 23, Morgan Kaufmann, 247. ISBN: 9780443264832. (Book Chapter)

**7.4.7.** Ilhan, U., Dirilenoglu, F., Ilhan, A., **Uyar, K.** (2024). Deep learning based histopathological image analysis for lung cancer diagnosis. Artificial Intelligence of Things (AIoT) Current and Future Trends, Volume 22, Morgan Kaufmann, 239. ISBN: 9780443264832. (Book Chapter)

#### 7.5. Articles Published in National Peer-Reviewed Journals

**7.5.1. Uyar, K.** (2014). E-devlet, Uluslararası değerlendirmeler ve e-KKTC. EMO Bilim, KKTC, 41, 52-66.

#### 8. Art and Design Activities -

#### 9. Projects -

#### 10. Administrative Responsibilities

**10.1.** Near East University, Vice-chair of the Department of Computer Engineering (2007- 2010)

**10.2.** Near East University, Founder and Department Coordinator of Food Engineering (2009-2010)

**10.3.** Near East University, Founder and Deputy-chair of the Department of Software Engineering (2012 - 2013)

**10.4.** Near East University, Founder and Head of the Department of Information Systems Engineering (2009 - 2013)

#### 11. Memberships in Scientific and Professional Organizations

**11.1.** Institute of Electrical and Electronics Engineers (IEEE),

**11.2.** Cyprus Turkish Chamber of Electrical Engineers.

**11.3.** Near East Univ. Applied Artificial Intelligence Research Centre.

#### 12. Awards -

#### 13. Undergraduate and Graduate Courses Taught in the Last Two Years

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2024 - 2025	Güz	ECC001 Logic Design	3	2	146
		ECC428&CIS401 e-Government	3		4
		MOD001 Sayisal Mantik	3	2	29
		MOD428&BIL401 e-Devlet	3		3
	Bahar	ECC001 Logic Design	3	2	129



		ECC006 Web Design and Programming	3		10
		ECC203 Computer Architecture and Organization	4		126
		MOD001 Sayisal Mantik	4		19
		MOD203 Bilgisayar Mimarisi ve Organizasyonu	4		26
	Yaz	ECC203 Computer Architecture and Organization	4		7
2025 - 2026	Güz	AIIO01&ECC001 Logic Design	3	2	
		AIIO428&ECC428 e-Government	3		
		YZB001&BTP212&MOD001 Sayisal Mantik	3	2	
		YZB428&MOD428 e-Devlet	3		