

**ACADEMIC
CURRICULUM VITAE**

1. Name - Surname: Kaan Uyar

2. Title: Assist. Prof. Dr.

3. Educational Background:

Degree	Department/Program	University	Year
Bachelor's	Electrical and Electronics Engineering	Anadolu Univ.	1992
	Public Administration	Anadolu Univ.	1998
Master's	International Relations	Near East Univ.	1994
	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 and Thesis Advisor(s):

4.2. PhD Thesis /Medical Specialty Thesis Title and Advisor(s):

Recurrent Fuzzy Neural Network Based Modeling and Control of Batteries Charging Process, 2006.

Supervisor: Prof. Dr. Rafik A. Aliev

5. Academic Titles:

Date of Assistant Professorship: 2008

Date of Associate Profersorship:

Date of Professorship:

6. Supervised Master's and PhD Theses:

6.1. Master's Theses

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

2. Macmillan Tafadzwa Nyamukondiwa, "Adaptive Learning Management System based on Learner's Prior Knowledge and Performance", Near East Univ., Information Systems Engineering, 2018.
3. Gezahegn Mulusew Delele, "Web Accessibility of the Ethiopian Governmental Websites", Near East Univ., Software Engineering, 2019. Co-supervisor: Erkut İ. İşeri
4. Alem Habtemariam Bezu, "E-government in Ethiopia", Near East Univ., Information Systems Engineering, 2019. Co-supervisor: Erkut İ. İşeri
5. Mohamed Abdullahi Mohaud Shurie. "Web Based Repository System for Graduation Projects", Near East Univ., Software Engineering, 2021.

6.2. PhD Theses

1. Allam R. M. Abumwais, "High-Performance Topology, Scalable Network on-Chip for Many-Core System", Near East Univ., Computer Engineering, 2022. Supervisor: Adil Amirjanov. Co-supervisor: Kaan Uyar

7. Publications

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

1. Aliev R.A., R.R. Aliev, B. Guirimov and K. Uyar, "Dynamic Data Mining Technique for Battery Charging Rules Extraction", *Applied Soft Computing*, Volume 8, Issue 3, Pages 1252-1258, June 2008. (SCI-Expanded)
DOI: 10.1016/j.asoc.2007.02.015
2. Abiyev R.H. , K. Uyar, U. Ilhan, E. Imanov and E. Abiyeva, " Estimation of Food Security Risk Level Using Z-number Based Fuzzy System", *Journal of Food Quality*, vol. 2018, Article ID 2760907, 9 pages, 2018. (SCI-Expanded)
DOI: 10.1155/2018/2760907.
3. Iseri E.I., K. Uyar and U. Ilhan, "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. (Emerging SCI)
4. Uyar K., G.M. Delele and E.I. Iseri, "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, June 2020. DOI: 10.22937/IJCSNS.2020.20.06.16. (Emerging SCI)

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

7.2. Articles Published in Other International Peer-Reviewed Journals

1. Uyar K., "Recurrent Fuzzy Neural Network Based Modeling and Control of Nickel Cadmium Batteries Charging", *Journal "Knowledge" ("Technical Sciences")*, 3-4, 6-16, Azerbaijan, 2005.
2. Mamedov H., K. Ali-Zade and K. Uyar, Extension of the storage battery's service life by the untraditional operated charge-discharge method, *Power Engineering*, No:1-2, pp:101-107, Azerbaijan, 2006.
3. Fahriye Altinay, Zehra Altinay, Dudu Ozkum, Mukaddes Sakalli Demirok, Nazim Burgul, Sahin Akdag, Kaan Uyar, Umran Duman, Menil Celebi, Inci Genc, Sezer Kanbul, "A Comprehensive Look into Monitoring Disability Rights: A Case of Northern part of Cyprus by Disability Rights Monitoring Committee at Near East University ", *Nafath by Mada*, Volume 8, Issue 23, September 2023, DOI: 10.54455/MCN2302

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

1. Mamedov F., D. Unsalan and K. Uyar, "Distance Education Possibilities for Northern Cyprus Universities", *Proc. of the Int. Conf. on Information Technology Based Higher Education and Training (ITHET'2000)*, 249-252, Istanbul, Turkey, 2000.
2. Ali-zade P. and K. Uyar, "A New Approach for Portable Computer Accumulator Battery Life Saving Charging". *Proc. of the 2nd International Electrical, Electronics & Computer Engineering Symposium (NEU-CEE'2004)*, 334-338 Nicosia, TRNC, 2004.
3. Ali-zade P. and K. Uyar, "A fuzzy Controller Approach to Accumulator Battery Life Saving Electrical Desulfatation", *Proc. of the Int. Conf. on Computational Intelligence (ICCI'2004)*, 143-147, Nicosia, TRNC, 2004.
4. Ilhan U. and K. Uyar, "A Comparative Curricular Study on the Outside Major Disciplinary Area in Computer Engineering Departments of North Cyprus Universities", *Proc. of the 3rd FAE International Symposium*, 323-326, Gemikonađı, TRNC, 2004.
5. Ali-zade P. and K. Uyar, "Ni-Cd Battery Fuzzy Controlled Charger Rules Based on Internal Resistance Data", *Proc. of the 3rd FAE International Symposium*, 369-373, Gemikonađı, TRNC, 2004.

6. Uyar K., "Fuzzy-Neural Control System for Nickel Cadmium Battery Charging", *Proc. of the Third Int. Conf. on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control (ICSCCW-2005)*, 168-178, Antalya, Turkey, 2005.
7. Uyar K., "Modelling of Nickel Cadmium Batteries", *Proc. of the Third Int. Conf. on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control (ICSCCW-2005)*, 263-268, Antalya, Turkey, 2005.
8. Uyar K., "Modeling and Simulation of NiCd Batteries Behavior Under Fast Charging with Genetic Algorithm Based Trained Recurrent Fuzzy Neural Network", *Proc. of the Seventh Int. Conf. on Application of Fuzzy Systems and Soft Computing (ICAFS – 2006)*, 247-255, Siegen, Germany, 2006.
9. Uyar K., "A Novel Intelligent Approach for Modeling and Control of Non-linear Dynamic Systems", *Proc. of the 3rd International Electrical, Electronics & Computer Engineering Symposium (ISEECE'2006)*, 291-296, Nicosia, TRNC, 2006.
10. Uyar K. and U. Ilhan, "Soft Computing for Long Term Electric Load Forecasting of TRNC", *Proc. of the 3rd International Electrical, Electronics & Computer Engineering Symposium (ISEECE'2006)*, 297-300, Nicosia, TRNC, 2006.
11. Uyar K. and U. Ilhan, "A Comparison of Computer Engineering Curricula of the Cyprus Island Universities", *Proc. of the 4th FAE International Symposium*, Vol. 2, 487-492, Gemikonağı, TRNC, 2006.
12. Guirimov B., U. Ilhan and K. Uyar, "Neuro-fuzzy type 2 system for loan assessment", *Proc. of the 4th Int. Conf. on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control (ICSCCW'2007)*, Antalya, Türkiye, 2007.
13. Aliev R.A., R.R. Aliev, B.G. Guirimov and K. Uyar, "Recurrent Fuzzy Neural Network Based System for Battery Charging", *ISNN 2007, LNCS 4492, Part II*, pp. 307–316, 2007, Springer-Verlag Berlin Heidelberg 2007. (WOS) (Scopus)
14. Uyar K. and U. Ilhan, "Fuzzy Type 2 Inference System for Credit Scoring", *11th WSEAS Int. Conf. on Automatic Control, Modelling and Simulation (ACMOS09)*, Istanbul, Turkey, May 30 - June 1, 2009. (WOS)
15. Uyar K., "Tourist Arrival Forecasting by using the Genetic Algorithm based Trained Recurrent Fuzzy Neural Networks", *Proc. of the Sixth Int. Conf. on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control (ICSCCW2011)*, pp. 261-271, Antalya, Turkey, Sep. 2011
16. Abiyev R. H., K. Uyar, E. Imanov and R. Dover, "Behaviour based mobile robot navigation in 3d workspace", *10th Int. Conf. on Application of Fuzzy Systems and Soft Computing (ICAFS-2012)*, pp. 229-236, Lisbon, Portugal, 2012

17. Ilhan U. and K. Uyar, O. Donangil, "Forest fires predictions using meteorological data and recurrent fuzzy neural networks", Proc. of EEECS12 the 7th International Symposium on Electrical and Electronics Engineering & Computer Systems, pp. 40-45, Gemikonagi, TRNC, Nov. 2012
18. Uyar K. and U. Ilhan, "Energy performance estimation of residential buildings by using type-2 fuzzy neural networks with fuzzy clustering and differential evolution optimization", *Proc. of the 7th Int. Conf. on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control*, pp. 285-293, Izmir, Turkey, Sep. 2013
19. Uyar K. and U. Ilhan, "US Unemployment Rate Forecasting using Recurrent Fuzzy Neural Networks", 11th Int. Conf. on Application of Fuzzy Systems and Soft Computing (ICAFS-2014), pp. 131-139, Paris, France, Sep. 2014
20. Abiyev R.H., K. Uyar, U. Ilhan and E. Imanov, "Assessment of Food Security Risk Level Using Type 2 Fuzzy System", 12th Int. Conf. on Application of Fuzzy Systems and Soft Computing, ICAFS 2016, 29-30 August 2016, Vienna, Austria, Procedia Computer Science, Vol. 102, pp 547–554, 2016. DOI: 10.1016/j.procs.2016.09.441. (WOS) (Scopus)
21. Uyar K., U. Ilhan and A. Ilhan, "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, 29-30 August 2016, Vienna, Austria, Procedia Computer Science, Vol. 102, pp 642–647, 2016. DOI: 10.1016/j.procs.2016.09.455 (WOS) (Scopus)
22. Uyar K. and A. Ilhan, "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), 24-25 August 2017, Budapest, Hungary. Procedia Computer Science, Vol. 120, pp 588–593, 2017. (WOS) (Scopus)
23. Iseri E. I., K. Uyar and U. Ilhan, "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), 24-25 August 2017, Budapest, Hungary. Procedia Computer Science, Vol. 120, pp 967–974, 2017. (WOS) (Scopus)
24. Iseri E. I., K. Uyar and U. Ilhan, "Accessibility of the Cyprus Island Municipal Websites", 9th Int. Conference on Computational Intelligence and Communication Networks (CICN 2017), pp.72 -76, Girne, Cyprus, 16-17 Sept. 2017. DOI: 10.1109/CICN.2017.8319359. (WOS) (Scopus)

25. Iseri E. I., K. Uyar and U. Ilhan, "Forecasting Measles in European Union by using Adaptive Neuro-Fuzzy Inference System", Second International Biomedical Engineering Congress 2018 (IBMEC-2018), Abstract book p.91, 24-27 May 2018, TRNC
26. Ilhan U., K. Uyar and E.I. Iseri, "Web Accessibility of the Cyprus Island Higher Education Institution Libraries", Proc. of the 7th Int. Conf. on Theory and Practice in Modern Computing (TPMC 2018), pp. 121-128, 18-20 July 2018, Madrid, Spain. (Scopus)
27. Iseri E. I., K. Uyar and U. Ilhan, "Forecasting Measles in European Union by using Adaptive Neuro-Fuzzy Inference System", Second International Biomedical Engineering Congress 2018 (IBMEC-2018), Abstract book p.91, 24-27 May 2018, TRNC.
28. Uyar K., U. Ilhan, E.I. Iseri and A. Ilhan, "Forecasting Measles Cases in Ethiopia using Neuro- Fuzzy Systems", International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT) 2019, Ankara, Turkey. DOI: 10.1109/ISMSIT.2019.8932882. (Scopus)
29. Uyar K., U. Ilhan, A. Ilhan and E.I. Iseri, " Breast Cancer Prediction using Neuro-Fuzzy Systems", 2020 7th International Conference on Electrical and Electronics Engineering (ICEEE 2020), Antalya, Turkey. April 14-16, 2020. DOI: 10.1109/ICEEE49618.2020.9102476. (Scopus)
30. Ilhan U., E.I. Iseri and K. Uyar, "Web Accessibility of e-Government Portals and Ministry Websites of the Cyprus Island", 4th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT) 2020, October 22-24, 2020, Turkey. DOI: 10.1109/ISMSIT50672.2020.9254996.
31. Ilhan U, K. Uyar and Erkut I. Iseri, "Breast Cancer Classification using Deep Learning", 14th International Conference on Application of Fuzzy Systems and Soft Computing-ICAFS 2020, Budva-MONTENEGRO, 27th-28th August 2020. Advances in Intelligent Systems and Computing, vol 1306, pp. 709-714, Springer, Cham, 2021. DOI: 10.1007/978-3-030-64058-3_88
32. Ilhan U., A. Ilhan, K. Uyar and E. I. Iseri, "Classification of Osmancik and Cammeo Rice Varieties using Deep Neural Networks," 2021 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), 2021, pp. 587-590, DOI: 10.1109/ISMSIT52890.2021.9604606.
33. Iseri E.I., K. Uyar and U. Ilhan, "The Accessibility of Health Related Websites of Cyprus Island," 2021 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), 2021, pp. 581-586, DOI: 10.1109/ISMSIT52890.2021.9604555.
34. Erkut Inan Iseri, Kaan Uyar & Umit Ilhan, "Web Accessibility of the Cyprus Island Food Retailers' Websites", 5th International Congress on Human-Computer Interaction,

Optimization and Robotic Applications. June 8-10, 2023, Istanbul, Turkey, DOI: 10.1109/HORA58378.2023.10156791

7.4. National/international Books or Book Chapters

1. Ibrahim D. and K. Uyar, "8085 Microprocessor Laboratory Manual", ISBN: 975-8359-37-1, *Yakin Dogu Universitesi Matbaasi*, KKTC, 2006.
2. Ibrahim D. and K. Uyar, "The 8080 and 8085 Microprocessors and Peripherals", ISBN: 975-271-172-3, *Bilesim Yayincilik*, Turkey, 2006.
3. Ibrahim D. and K. Uyar, "8085 Microprocessor Experiments", ISBN: 975-271-107-3, *Bilesim Yayincilik*, Turkey, 2006.
4. Ibrahim D. and K. Uyar, "8080/8085 Mikroislemciler and Cevre Elemanlari", ISBN: 975-271-171-5, *Bilesim Yayincilik*, Turkey, 2006.
5. Ibrahim D. and K. Uyar, "8085 Mikroislemcisiyle Deneyler", ISBN: 975-641-043-4, *Bilesim Yayincilik*, Turkey, 2006.

7.5. Articles Published in National Peer-Reviewed Journals

1. Uyar K. and U. Ilhan, "Esnek Hesaplama Yolu ile Uzun Vadede Kuzey Kibris Turk Cumhuriyeti Elektrik Tuketiminin Tahmini", *Enerji Politikalari Sempozyumu, Kuzey Kibris'ta Enerji-Sorunlar-Oneriler*, 91-96, KTMMOB, Lefkosa, KKTC, 2007.
2. Uyar K., E-devlet, Uluslararası degerlendirmeler ve e-KKTC, *EMO Bilim, Journal of the Chamber of Electrical Engineers*, 41, 52-66, TRNC, 2014.

8. Art and Design Activities -

9. Projects -

10. Administrative Responsibilities

- | | |
|--|-------------|
| 1. NEU, Computer Eng., Vice Chair | 2007 - 2011 |
| 2. NEU, Food Eng., Dept. Coordinator | 2009 - 2010 |
| 3. NEU, Information Systems Eng., Deputy Chair | 2009 - 2011 |
| 4. NEU, Information Systems Eng., Chair | 2011 - 2013 |
| 5. NEU, Software Eng., Deputy Chair | 2012 - 2013 |

11. Memberships in Scientific and Professional Organizations

1. Digital Government Society, USA

2. Institute of Electrical and Electronics Engineers (IEEE), USA
3. Cyprus Turkish Electrical Engineers Association, TRNC
4. NEU Applied Artificial Intelligence Research Centre, TRNC

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	
2022 - 2023	Fall	Electronic Government	3		
	Fall	Elektronik Devlet	3		
	Fall	Sayısal Mantık	4	2	
	Fall	Microprocessors	4	2	
	Fall	Mikroişlemciler	4	2	
	Spring	Web Design and Programming	3		
	Spring	Computer Architecture and Organization	4		
	Spring	Bilgisayar Mimarisi ve Organizasyonu	4		
	Spring	Mikroişlemciler	4	2	
	Spring	Object-Oriented Analysis and Design (Graduate)	3		
	Summer	Computer Architecture and Organization	4		
	Summer	Bilgisayar Mimarisi ve Organizasyonu	4		
2022 - 2023	Fall	Logic Design G1 & G2	4	2	125
	Fall	Sayısal Mantık	4	2	25
	Fall	Electronic Government	3		4
	Fall	Elektronik Devlet	3		4