

Curriculum Vitae

1. **Name Surname:** Sahar Ebadinezhad
2. **Date of Birth:** 27 June 1984
3. **Title:** Assistant Professor
4. **Education:** Ph.D



Degree	Field	University	Year
Bachelor	Computer Engineering	University of Applied Science & Technology, Tehran, Iran	2011
Master	Computer Engineering	Eastern Mediterranean University	2014
Doctorate	Computer Engineering	Cyprus International University	2019

5. Academic Titles

Title	Department	University	Year/Period
Assistant Professor	Department of Computer Information Systems	NEU	2019-2020
Associate Professor			
Professor			

6. **Master Thesis and Advisor(s):**
“variable bite rate workload modeling for mobile broadband wireless networks”, Assoc. Prof. Dr. Dou Arifler, 2014.

7. **PhD Thesis and Advisor(s):**
Clustering-Based Modified Ant Colony Optimizer for Internet of Vehicles (CACOIoV), Asst. Prof. Dr. Ziya Dereboylu, Assoc. Prof. Dr. Enver Ever.

8. Publications

- 8.1. Articles published in peer reviewed international journals (SCI, SSCI Arts and Humanisties)

- i. Ebadinezhad, S., & Uzelaltinbulat, S (2023). An Overview Of Block-Chain Technology And Related Security Attacks: Systematic Literature Review. *THE SEYBOLD REPORT*, PP. 842-856, Vol 18, N 11. DOI: 10.5281/zenodo.10209791.
- ii. Ebadinezhad, S., & Abdulmajed, H (2023). Data Security Enhancement in Cloud Computing by Proposing A DKE Encryption Protocol. 2023 International Conference on Advances in Artificial Intelligence and Applications (AAIA 2023). will be published by ACM International Conference Proceedings Series (ISBN Number: 979-84007-0826-8). <https://doi.org/10.1145/3603273.3634712>.

- iii. Olawale, O. P., & Ebadinezhad, S. (2023). The Detection of Abnormal Behavior in Healthcare IoT Using IDS, CNN, and SVM. In *Mobile Computing and Sustainable Informatics: Proceedings of ICMCSI 2023* (pp. 375-394). Singapore: Springer Nature Singapore. https://doi.org/10.1007/978-981-99-0835-6_27
- iv. Ebadinezhad, S; Nlend Bayemi, P. F. (2023). SDN and NFV Security Challenges and Solutions for Minimizing the Failures in IoT Network- Literature Review. book chapter in "Research Advances in Network Technologies", Volume 2, published by CRC Press, Taylor & Francis Group.
- v. Ebadinezhad, S. (2023). A Systematic Literature Review on Information Security Leakage: Evaluating Security Threat. In: Shakya, S., Balas, V.E., Haoxiang, W. (eds) *Proceedings of 3rd International Conference on Sustainable Expert Systems (ICSES - 2022), Lecture Notes in Networks and Systems, vol 587. Springer, Singapore, pp 993– 1007. https://doi.org/10.1007/978-981-19-7874-6_73*
- vi. Ebadinezhad, S. (2021). Design and performance evaluation of Improved DFACO protocol based on dynamic clustering in VANETs. *SN Applied Sciences*, 3(4), 1-15.
- vii. Ebadinezhad, S. (2021). Design and Analysis of An Improved AODV Protocol Based on Clustering Approach for Internet of Vehicles (AODV-CD). *International Journal of Electronics and Telecommunications*, 67.
- viii. Ebadinezhad, S. (2020). DEACO: Adopting dynamic evaporation strategy to enhance ACO algorithm for the traveling salesman problem. *Engineering Applications of Artificial Intelligence*, 92, 103649.
- ix. Ebadinezhad, S., Dereboyly, Z., & Ever, E. (2019). Clustering-based modified ant colony optimizer for internet of vehicles (CACOIOV). *Sustainability*, 11(9), 2624.
- x. Ebadinezhad, S., & Hasan, S. (2019). BER Evaluation in LTE SC-FDMA under Multipath Channels. *International Journal of Recent Technology and Engineering*, 8(4), 3539-3547.
- xi. Behnamshirazi, N., Alipour, H., & Ebadinezhad, S. (2019). Achieving Sustainable Tourism Through Eco-Lodge Venture: Evidence from Eco-Lodge Cases. *Co-Editors*, 85.
- xii. Ebadinezhad, S., Arifler, D., Bahmani, K., & Ince, E. A. (2014, April). Streaming stored video over multi-channel wireless systems: Scheduler performance evaluation. In *2014 22nd Signal Processing and Communications Applications Conference (SIU)* (pp. 563-566). IEEE.

7.2. Articles published in other peer reviewed international journals

7.3. Papers delivered in international conferences and printed as proceedings

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7.4. Books and sections in books published internationally

7.5. Articles published in peer reviewed national journals

7.6 Papers delivered at national conferences and printed as proceedings

7.7 Other publications

Patents

8. Projects directed and participated

- Webinar speaker “**Silent Sound Technology**” webinar. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus. 29/11/2023.

- Webinar speaker “**Smart Fabrics and Wearable Technology**” webinar. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus. 27/12/2023.
- Webinar speaker “**Explainable artificial intelligence (XAI)-natural language**” webinar. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus. 15/ 03/2023.
- Webinar speaker “**Internet of Nano Things**” webinar. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus. 1/ 11/2022.
- Webinar speaker “**Smart Home Automation Security**” webinar. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus. 7/ 10/2022.
- Attended to “**AI in Business**” webinar. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus, 17/05/2022.
- Attended to “AI in Business” webinar. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus, 17/05/2022.
- Webinar speaker “Neuromorphic Computing” webinar. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus.16/ 05/2022.
- Attended to “Machine Learning in Autism Diagnosis” webinar. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus, 10/05/2022.
- Attended to “Data Analysis with AMOS” webinar, Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus, 9/05/2022.
- Webinar speaker “Quantum Computing (QC)” webinar. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus. 11/ 04/ 2022.
- Webinar speaker “Internet of Medical Things (IoMT)” Webinar. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus. 10/01/2022.
- Webinar speaker “Artificial Intelligence Enabled Software-Defined Networking” Webinar. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus. 22/11/2021.
- Lectured “Java course”, E-studybox, Near East University, Nicosia, Cyprus 2021.
- Lectured “Animation Technique course”, E-studybox, Near East University, Nicosia, Cyprus 2021.
- Attended to “*Literatür Tarama Teknikleri ve Pratik Araştırma Teknikleri*”, EBSCO, Turkey. 10/08/2021.
- Attended to “*TÜBİTAK ULAKBİM’den Üniversite Araştırmacılarına Kaynaklar*”, EBSCO, Turkey. 10/08/2021.
- Attended to “*Siber Güvenlikte Tehditler ve Savunma Yöntemleri*”, Koç Sistem, Turkey, 08/06/2021.
- Attended to “*Web of Science Core Collection: Discovery Starts Here!*”, Web of Science Group, A Clarivate Analytics Company, 25/05/2021.
- Attended to “*Google Araçları*”, Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus, 17/05/2021.

- Attended to “*Big Data Analytics in Today’s World*”, Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus, 12/05/2021.
- Attended to “*Privacy Matters: Mobile And Social Media Data*” Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus, 05/05/2021.
- Attended to “*Applications of Drone Technology*” Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus, 12/04/2021.
- Webinar speaker “Fog And Cloud Computing For The Internet Of Things”. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus, 11/05/2021.
- Webinar speaker “Design And Analysis Of An Improved Aodv Protocol Based On Clustering Approach For Internet Of Vehicles”. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus, 26/04/2021.
- Webinar speaker “Architecture, Application and Routing challenges of Mobile ad hoc network (MANET), Vehicular ad hoc network (VANET) and Internet of Vehicles (IoVs)”. Department of Computer Information Systems & BESATEM, Near East University, Nicosia, Cyprus, 10.12.2020.

9. Administrative designations

- i. Member of Computer Information Systems Research and Technology Center (CISRTC), Near East University.

10. Membership in scholarly institutions

- Editorial board member in “Advances in Wireless Communications and Networks (AWCN)”
- Member of Journal Referee (Reviewer, 2022- Recent), Indonesian Journal of Electrical Engineering and Computer Science.
- Member of Journal Referee (Reviewer, 2022- Recent), PeerJ Computer Science.
- Member of Conference Referee (Reviewer 2021), The 6th International Conference on Computer Science and Application Engineering (CSAE 2022). Jul 30, 2020.
- Member of Journal Referee (Reviewer, 2019- Recent), Springer journal/ Wireless Personal Communications.
- Member of Journal Referee (Reviewer, 2019- Recent), “InderScience journal/ International Journal of Ad Hoc and Ubiquitous Computing (IJAHUC)”.
- Member of Journal Referee (Reviewer, 2019- Recent), "International Journal of Communication Systems"
- Member of Journal Referee (Reviewer, 2019- Recent), "International Conference on Computer Science and Application Engineering".
- Member of Journal Referee (Reviewer, 2019- Recent), “*ISA Transactions*” Elsevier Journal.
- Member of Journal Referee (Reviewer, 2019- Recent), “Bentham Science Journal”.
- Bentham Science Ambassador, 2019- Recent.

11. Awards and grants

- Neuromorphic Computing (16/ 05/2022)

- Quantum Computing (QC) (11/ 04/ 2022)
- Internet of Medical Things (IoMT) (10/01/2022)
- Artificial Intelligence Enabled Software-Defined Networking (22/11/2021)
- Fog And Cloud Computing For The Internet Of Things (11/05/2021)
- Design And Analysis Of An Improved Aodv Protocol Based On Clustering Approach For Internet Of Vehicles (26/04/2021)
- Architecture, Application and Routing challenges of Mobile ad hoc network (MANET), Vehicular ad hoc network (VANET) and Internet of Vehicles (IoVs) (10.12.2020)
- Publication Certificate from International Journal of Recent Technology and Engineering (IJRTE), (2019)
- *ISA Transactions/ Elsevier Journal*, certificate of reviewing.
- The present and future of Artificial Intelligence
- Effective e-exam design
- Process-oriented assessment methods in distance education
- Lesson planning and designing a learning environment in distance education
- Classroom management and communication in distance education
- Educational simulations
- Interacting course videos
- Information ethics and information security
- Digital approaches in education

12. ADVISOR OF PhD THESIS

- Ahmed Conteh (2023, in progress). *AI-Enabled Predictive Maintenance for IoT-Based Smart Irrigation Monitoring Systems*. Dissertation, Near East University, Institute of Graduate Studies, Department of Computer Information Systems, Nicosia, Cyprus.
- Oluwaseun_Priscilla (2022, in progress). *The Detection of Abnormal Behavior in Healthcare IoT Using IDS, CNN, and SVM*. Dissertation, Near East University, Institute of Graduate Studies, Department of Computer Information Systems, Nicosia, Cyprus.
- Temitope Emmanuel Mobolade (2022, in progress). *Cloud Based IoT for Secure Health Monitoring*. Dissertation, Near East University, Institute of Graduate Studies, Department of Computer Information Systems, Nicosia, Cyprus.
- Alper Çavuş (2022, in progress). *E-Government*, Dissertation, Near East University, Institute of Graduate Studies, Department of Computer Information Systems, Nicosia, Cyprus.

13. ADVISOR OF MASTER THESIS

- Imran Kolawole Ibrahim (2023, in progress). *Integration of Internet of Vehicles (IOV) and Cloud Computing: A Systematic Literature Review*. Master Thesis, Near East University, Graduate School of Applied Sciences, Department of Computer Information Systems, Nicosia, Cyprus.

- Adam Muhammad (2023, in progress). *Performance Evaluation of Machine Learning Techniques in Cybersecurity*. Master Thesis, Near East University, Graduate School of Applied Sciences, Department of Computer Information Systems, Nicosia, Cyprus.
- Michael Ogbonna (2023). *Systematic Literature review on Vehicle Cyber Security*. Master Thesis, Near East University, Graduate School of Applied Sciences, Department of Computer Information Systems, Nicosia, Cyprus.
- Nurudeen Bode Ayansina (2023). *Design and Performance Evaluation of Routing Attacks in FANET*. Master Thesis, Near East University, Graduate School of Applied Sciences, Department of Computer Information Systems, Nicosia, Cyprus.
- Ennuentti Nagbe (2022). *A Systematic Literature Review on Detecting Cybersecurity Attacks in the Internet of Things*. Master Thesis, Near East University, Graduate School of Applied Sciences, Department of Computer Information Systems, Nicosia, Cyprus.
- Pierre Fabrice Nlend Bayemi (2022). *Proposing A New Algorithm For Network Security Protection System For Iov*. Master Thesis, Near East University, Graduate School of Applied Sciences, Department of Computer Information Systems, Nicosia, Cyprus.
- Temiloluwa_Oluwabukunmi Modupeola (2022). *Cryptography and Secure Cloud Model for E-Health*. Master Thesis, Near East University, Graduate School of Applied Sciences, Department of Computer Information Systems, Nicosia, Cyprus.
- Afolabi Mudathir Olawale (2022). *Opportunities and Challenges of Cloud Computing to Small and Medium Enterprises in Developing Countries: A Systematic Literature Review*. Master Thesis, Near East University, Graduate School of Applied Sciences, Department of Computer Information Systems, Nicosia, Cyprus.
- Halmat Ayub Abdulmajed (2021). *Data Security Enhancement in Cloud Computing by Proposing A DKE Encryption Protocol*. Master Thesis, Near East University, Graduate School of Applied Sciences, Department of Computer Information Systems, Nicosia, Cyprus.
- Maged Saleh Abdulqawi (2021). *Cloud, Edge and Fog Computing Systems: Systematic Mapping of Security and Privacy Issues*. Master Thesis, Near East University, Graduate School of Applied Sciences, Department of Computer Information Systems, Nicosia, Cyprus.

14. Courses taught over the last two academic years

Academic Year	Term	Course Code and Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2021-2022	Spring	CIS416 Computer Networks	2	2	28
		CIS142/242 Animation Technologies	2	2	22
		CIS252/352 Programming Language III	2	2	24
		CIS256/356 Object Oriented Prog. Lang. I	2	2	26
		CIS411	3	0	23

		Mang. Info. Systems			
		CIS505 (MASTER) Advanced Information Systems Security	3	0	17
	Fall	CIS420 Information Systems Security	3	0	24
		CIS143/243 Data Structures	3	0	23
		CIS263/363 Software Engineering	3	0	17
		CIS231/331 System Analysis Method	3	0	25
		CIS288/488 Web Development	3	0	13
		CIS513 (MASTER) Advanced Computer Networks	3	0	8
2020-2021	Summer	CIS416 Computer Networks	3	0	10
	Spring	CIS420 Information Systems Security	3	0	14
		CIS252/352 Programming Language III	3	0	11
		CIS256/356 Object Oriented Prog. Lang. I	3	0	14
		CIS416 Computer Networks	3	0	10
		CIS534 (MASTER) Advanced Network Security	3	0	11
		Fall	CIS505 (MASTER) Advanced Information Systems Security	3	0
	CIS143/243 Data Structures		3	0	
	CIS263/363 Software Engineering		3	0	
	CIS231/331 System Analysis Method		3	0	
	CIS288/488 Web Development		3	0	
	CIS286/CIS386 Database Programming		3	0	
	CIS403 Graduation Project Proposal		3	0	

