9/01/2024

AKADEMİK ÖZGEÇMİŞ

1. Adı Soyadı: Fadi Alturjman

2. Unvanı: Prof.Dr.

3. Öğrenim Durumu:

Derece	Bölüm/Program	Üniversite	Yıl
Lisans	Bilgisayar Mühendisliği	Kuwait University	2004
Y. Lisans	Bilgisayar Mühendisliği	Kuwait University	2007
Doktora	Bilgisayar Bilimi	Queen's University	2011

4. Yüksek Lisans / Doktora Tezi

4.1.Yüksek Lisans Tez Başlığı ve Tez Danışman(lar)ı:

4.2. Doktora Tezi/Tıpta Uzmanlık Tezi Başlığı ve Danışman(lar)ı: Efficient deployment for wireless sensor networks in environment monitoring. Advisor: Prof. Hossam Hassanein

5. Akademik Unvanlar:

Yardımcı doçentlik tarihi:2011
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6. Yönetilen Yüksek Lisans ve Doktora Tezleri:

6.1. Yüksek lisans tezleri

- Mercel, MSc., OPTIMIZING ENERGY IN THE DIGITAL AGE:TRANSFORMER FOR SOLAR IRRADIANCE FORECAStING
- Thomas - MSc., AN AI-BASED SOLUTION FOR SWEETPOTATO LEAF DISEASE DIAGNOSIS: (AGROO AI)
- A DEEP ATTENTION FRAMEWORK FOR NETWORK ANOMALY DETECTION
- Usman, MSc., STUDENT ACADEMIC PERFORMANCE PREDICTION WITH WI-FI IoT ATTENDANCE SYSTEM
- Juanita, MSc., TRANSFORMERS IN WILDFIRE DETECTION
- Osman, MSc., PREDICT STUDENT PERFORMANCE USING DATA MINING AND MACHINE LEARNING TECHNIQUES
- Suleyman, MSc., INTELLIGENT LIGHT CONTROL IN THE IOT ERA
- Yemi Okome, Near East University, Nicosia

- Nehemiah Adeosun, Near East University, Nicosia
- Dawood Barakat, Near East University, Nicosia
- Suleeman Cabdulaahi, Near East University, Nicosia
- Bashiir Abdirahman, Near East University, Nicosia
- Maram Arto, Near East University, Nicosia
- Kemal Killic, Middle East Technical University, Nicosia
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- Hssana bubaker, Near East University, Nicosia
- Abdulrahman Almumani, Near East University, Nicosia
- Ramiz Salama, Near East University, Nicosia
- Naser Saleh Mohamed Naser, Near East University, Nicosia
- Mubarak Auwal, Near East University, Nicosia
- Adedoyin Hussain, Near East University, Nicosia
- Gayathri Nagasubramanian, Galgotias University, Uttar Pradesh, India
- Gürkan Çelik, Akdeniz university, Turkey
- Gayathri Tilak Singh, Queen's University, Canada
- Tarek El Salti, University of Guelph, Canada

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI, AHCI, ESCI, Scopus)

1. P. Singh, R. Kumar, M. Gupta, F. Al-Turjman, "SegEIR-Net: A Robust Histopathology Image Analysis Framework for Accurate Breast Cancer Classification", Current Medical Imaging, 2024.
2. P. Chithaluru, F. Al-Turjman, R. Dugyala, T. Stephan, M. Kumard, J. Dhatterwal, "An Enhanced Consortium Blockchain Diversity Mining Technique for IoT Metadata Aggregation", Elsevier Future Generation Computer Systems, Vol. 152, pp. 239-253 2024. DOI. 10.1016/j.future.2023.10.020. (IF 10.1).
3. R. Salama, F. Al-Turjman, "Sustainable Energy Production in Smart Cities", Sustainability, 2023. DOI. 10.3390/su152216052. (IF 3.9)
4. N. Saadallah, S. Alabady, F. Al-Turjman, "Energy-Efficient Cluster Head Selection via Genetic Algorithm",Al-Rafidain Engineering Journal (AREJ), Vol. 29, No. 1, 2024.
5. T. Mishra; M. kolhar; S. Mishra; H. Mohapatra; F. Al-Turjman, "Local Features Based Evidence Glossary for Generic Recognition of Handwritten Characters", Neural Computing and Applications, 2023. DOI.10.1007/s00521-023-09051-5. (IF 6.0).
6. P. Chithaluru; F. Al-Turjman; M. Kumar; S. Kumar, T. Stephan, "An Optimized Bio-inspired Localization Routing Technique for Sustainable IIoT Networks & Green Cities", Elsevier Sustainable Cities and Society,2023. DOI. 10.1016/j.scs.2023.104722. (IF 10.7).
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8. F. Al-Turjman, D. Deebak, "EEI-IoT: Edge-Enabled Intelligent IoT Framework for Early Detection of COVID-19 Threats", Sensors, 2023, 23, 2995. https://doi.org/10.3390/s23062995 (IF 3.9)

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12. P. Akella, K. Rajagopal, F. Al-Turjman, “A Novel Hybrid Model for Automatic Diabetic Retinopathy Grading and Multi-Lesion Recognition Method Based on SRCNN & YOLOv3”, International Journal of Nanotechnology, Vol. 20, Nos. 5/6/7/8/9/10, pp. 615-643, 2023.
13. G. Senthilkumar, F. Al-Turjman, R. Kumar, J. Ramakrishnan, “Diagnosing cardiovascular disease via intelligence in healthcare multimedia: a novel approach”, International Journal of Nanotechnology, Vol. 20,Nos. 1/2/3/4, pp.182–198, 2023.
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46. O. Babatomiwa, F. Al-Turjman, C. Nadire, “Interactive and innovative technologies for smart education”, Computer Science and Information Systems, 2022. DOI. 10.2298/CSIS210817027O. (IF 1.17)
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55. H. Mouftah, A. Radwan, M. Rehmani, F. Al-Turjman, B. Vaidya, "Editorial, Prospects of Energy and Mobility - Connected and Autonomous Electric Vehicles for Sustainable Smart Cities", Frontiers in Energy Research, 2022. DOI: 10.3389/fenrg.2022.972084. (IF 3.8)
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13. F. Al-Turjman, single editor of a book titled: “Wireless Medical Sensor Networks for IoT-based eHealth”, Published with IET press, UK, 2020. ISBN-13: 978-1-83953-056-2.
14. F. Al-Turjman, single author of a book titled: “AI-powered IoT for COVID-19”, Published with Taylor and Francis, CRC, New York, 2021. ISBN-13: 978-0367566746.
15. F. Al-Turjman, single author of a book titled: “Artificial Intelligence and Machine Learning for COVID-19”, Published with Springer, Switzerland AG, 2020. ISBN 978-3-030-60187-4.
16. F. Al-Turjman, A. Devi, A. Nayyar, editors of a book titled: “Emerging Technologies for Battling Covid-19 - Applications and Innovations”, Published with Springer, Switzerland AG, 2020. ISBN 978-3-030-60038-9.
17. F. Al-Turjman, and D. B. Deebak, editors of a book titled: “Security in IoT Social Networks”, Published with Elsevier, France, 2020. ISBN 9780128215999.
18. F. Al-Turjman, single author of a book titled: “Smart-Grid in IoT-enabled Spaces – The Road to Intelligence in Power”, Published with Taylor and Francis, CRC, New York, 2020. ISBN 978-0367517885.
19. F. Al-Turjman, and G. N. Balaji, editors of a book titled: “Advanced Controllers for Smart Cities”, Published with Springer, Switzerland AG, 2020. ISBN 978-3-030-48538-2.
20. F. Al-Turjman, single editor of a book titled: “Drones in Smart Cities: Security & Performance”, published with Elsevier, France, 2020. ISBN 9780128199725.
21. F. Al-Turjman, single editor of a book titled: “Trends in Cloud-based IoT”, published with Springer, Switzerland AG, 2020. ISBN 978-3-030-40036-1.
22. F. Al-Turjman, single editor of a book titled: “Unmanned Aerial Vehicles in Smart Cities”, Published with Springer, Switzerland AG, 2020. ISBN 978-3-030-38711-2.
23. F. Al-Turjman, single author of a book titled: “The Cloud in IoT-enabled Spaces”, published with Taylor and Francis, CRC, New York, 2019. ISBN 9780367278144
24. F. Al-Turjman & M. Imran, Edited book: “IoT Technologies in Smart-Cities: From Sensors to Big Data, Security and Trust”, published with IET press, UK, 2020. ISBN-13: 978-1-78561-869-7.
25. F. Al-Turjman, single author of a book titled: “Drones in IoT-enabled Spaces”, Published with Taylor and Francis, CRC, New York, 2019. ISBN 9780367266387.
26. F. Al-Turjman, single author of a book titled: “Internet of Nano-Things & Wireless Body Area Networks (WBAN)”, Published with Taylor and Francis, CRC, New York, 2019. ISBN 9780367198527.
27. F. Al-Turjman, single editor of a book titled: “Smart-cities: Performability, Cognition & Security”, Published with Springer, Switzerland AG, 2019. ISBN 978-3-030-14717-4.
28. F. Al-Turjman, single author of a book titled: “Security in IoT-enabled Spaces”, Published with Taylor and Francis, CRC, New York, 2019. ISBN: 9780367111236.
29. F. Al-Turjman, single editor of a book titled: “Artificial Intelligence in IoT”, Published with Springer, Switzerland AG, 2019. ISBN: 978-3-030-04110-6
30. F. Al-Turjman, single author of a book titled: “Intelligence in IoT-enabled Smart-Cities”, Published with Taylor and Francis, CRC, New York, 2019. ISBN: 9781138316843.
31. F. Al-Turjman, single editor of a book titled: “Edge Computing: From Hype to Reality”, Published with Springer, Switzerland AG, 2019. ISBN: 978-3-319-99060-6.
32. F. Al-Turjman, single editor of a book titled: “Performability in Internet of Things”, Published with Springer, Switzerland AG, 2018. ISBN 978-3-319-93556-0.
33. F. Al-Turjman, single author of a book titled: “Smart Things & Femtocells: From Hype to Reality”, Published with Taylor and Francis, CRC, New York, 2018. ISBN 9781138593893.
34. F. Al-Turjman, single author of a book titled: “Multimedia-enabled Sensors in IoT: Data Delivery & Traffic Modelling”, Published with Taylor and Francis, CRC, New York, 2018. ISBN 978-0-8153-8711-4.

35. F. Al-Turjman & A. Radwan, Edited eBook: “Internet of Things: Applications and Paradigms”, to be published with Avid Science, Berlin, Germany, 2018.
36. F. Al-Turjman, single author of a book titled: “Wireless Sensor Networks: Deployment Strategies for Outdoor Monitoring”, Published with Taylor and Francis, CRC, New York, 2018. ISBN 9780815375814.
37. F. Al-Turjman, single author of a book titled: “Cognitive Sensors & IoT: Architecture, Deployment, and Data Delivery” Published with Taylor and Francis, CRC, New York, 2017. ISBN 978-1-138-10229-3.
38. A. Devi, S. Nadar, R. Jain, F. Al-Turjman (2021), “Use of Artificial Intelligence in Pharmacovigilance for Social Media Network”, a book chapter in a book titled “Leveraging Artificial Intelligence in Global Epidemics”, Published with Elsevier, France, 2021.
39. F. Al-Turjman (2019), “Edge Computing: From Hype to Reality Preface”, a book chapter in a book titled “Edge Computing: From Hype to Reality”, Published with Springer, Switzerland AG, 2019. ISBN: 978-3-319-99060-6.
40. F. Al-Turjman (2019), a book chapter in a book titled "Transportation and Power Grid in Smart Cities: Communication Networks and Services", published by John Wiley, UK, 2018. Eds. H. T. Mouftah, M. Erol-Kantarci, M. H. Rehmani. ISBN: 978-1-119-36008-7.
41. F. Al-Turjman, C. Altrjman, (2019) “Smart Homes in the Crowd of IoT-based Cities”. In: F. Al-Turjman (Eds), Intelligence in IoT-enabled Smart Cities. Taylor and Francis, CRC, New York, 2019.
42. F. Al-Turjman, C. Altrjman, (2019) “Energy Consumption Monitoring in IoT-based Smart Cities”. In: F. Al-Turjman (Eds), Intelligence in IoT-enabled Smart Cities. Taylor and Francis, CRC, New York, 2019.
43. F. Al-Turjman, S. Alturjman, (2019) “Intelligent UAVs for Multimedia Delivery in Smart-Cities’ Applications”. In: F. Al-Turjman (Eds), Intelligence in IoT-enabled Smart Cities. Taylor and Francis, CRC, New York, 2019.
44. F. Al-Turjman, S. Alturjman, (2019) “Intelligent Positioning for Precision Agriculture (PA) in Smart-cities”. In: F. Al-Turjman (Eds), Intelligence in IoT-enabled Smart Cities. Taylor and Francis, CRC, New York, 2019.
45. F. Al-Turjman, S. Alturjman, (2019) “Intelligent IoT for Plant Phenotyping in Smart-cities’ Agriculture”. In: F. Al-Turjman (Eds), Intelligence in IoT-enabled Smart Cities. Taylor and Francis, CRC, New York, 2019.
46. Al-Turjman F., Ever E., (2019) Performability in Internet of Things Preface. In: Al-Turjman F. (eds) “Performability in Internet of Things”, Published with Springer, Switzerland AG, 2018. ISBN 978-3-319-93556-0.
47. Ulusar U.D., Celik G., Turk E., Al-Turjman F., Guvenc H. (2019) Practical Performability Assessment for ZigBee-Based Sensors in the IoT Era. In: Al-Turjman F. (eds) Performability in Internet of Things. EAI/Springer Innovations in Communication and Computing. Springer, Switzerland AG, 2019. ISBN 978-3-319-93556-0.
48. F. Al-Turjman, H. Hassanein, and M. Ibnkahla, a book chapter titled: “Cognitive Diversity Routing” in the “Wireless Sensor Networks: A Cognitive Perspective”, Published with Taylor and Francis, CRC, New York, 2013. ISBN-13: 978-1-4398-5281-1.
49. F.Al-Turjman, “Digital Convergence” track of the “Future Information Technology, Application, and Service”, Springer 2012. ISBN: 978-94-007-5063-0

7.5. Ulusal hakemli dergilerde yayınlanan makaleler

8. Sanat ve Tasarım Etkinlikleri

9. Projeler

- 2023- Present: NEU Digital Campus Project, Near East University, Northern Cyprus
- 2023- Present: AI-Instructor Project, Ai Prof. DUX, Near East University, Northern Cyprus
- 2022- Present: Patient Health Tracking Project, Near East University, Northern Cyprus
- 2021-2023: VELENA Project, Near East University, Northern Cyprus
- 2021-2022: AI and IoT in detecting the appropriate mask usage, Joint project between Near East University, Northern Cyprus and India
- 2021-2022: NEU Smart Student Information System, Near East University, Northern Cyprus
- 2021-2022: Blockchain-based Students Certificates Project, Near East University, Northern Cyprus
- 2020-2022: NEU Attend APP Project, Near East University, Northern Cyprus
- 2020-2022: NEU COVID-19 Project, Near East University, Northern Cyprus
- 2016-20: Newton Institutional Links grants (British Council) ID-216429427 (~£97507.92): In this research we proposed Location-based Control and Management System for Safety Warning and Emergency Rescuing Services using LTE D2D Technology in Smart cities.
- 2015-17: SRP-Intercampus Grant, Northern Cyprus FEN-16-k-6 (~$USD 20,000): In this research we proposed an automated virtual profile creation framework via mobile sensory data over the Cloud.
- 2015-17: SRP Grant, Northern Cyprus FEN-16-YG-5 (~$USD 20,000): In this project we aim at enabling Ultra Large Scale (ULS) sensing in the green Internet of Things era.
- 2014-18: Tubitak 3001- No. 115E198, Turkey (~$USD 30,000): This research is investigating innovative integrated platforms and data delivery techniques to satisfy the variety of the emerging applications' requirements and user expectations in terms of interoperability, resource management and pricing. It significantly contributes to the global efforts of developing techniques and tools for the commercially-viable communication systems in the future Internet/IoT.
- 2013-18: NSERC Discovery grant, Canada (~$USD 125,000): This research fund aims to devise enhanced data delivery solutions that can promptly provide the Canadian telecommunications sector, both vendors and service providers, data-centric networks that enable the realization of the Future Internet (Internet of Things) ahead of our international competitors. This is a complementary project, in which I aim at connecting the unconnected objects in a data-centric fashion, where data is located by its name not by the physically hosting device of that data.
- 2013: Ministry of Transportation of Ontario, Canada (~$USD 120,000): This research proposes a new system in which the highway can modify the speed limits adaptively based on the weather and road conditions. This is another project that aims at realizing one particular aspect of the smart planet concept by realizing a smart highway in the next generation intelligent transportation systems. It is expected to have a remarkable impact on the safety of Ontario's highways, which is accompanied by a substantial economic gain.
- 2013: NSERC Engage grant, Canada (~$USD 24,000): In this project self-powered data collectors with wireless communications was utilized in providing the most benefits for the least cost in realizing Precision Agriculture (PA). We will prioritize a wireless, ease of installation and plug-

and-play capabilities,resulting in a reliable solution that will increase the efficiency of the crop production throughout the proposed project. It will be a great opportunity with the Modern DSP Inc. to show up the brilliant side of utilizing modern technologies in PA.

- 2013: Startup Fund from UoG, Canada (~$USD 30,000): Its main purpose is to purchase on-going research equipment, and support other funding programs that require matching funds. This fund is mainly targeted to support research prior to obtaining funding from other sources. While working at the School of Engineering, University of Guelph (UoG), I had the opportunity to apply towards multiple large scales projects related to industrial and governmental applications not only in Canada; viz., Optimized Data Delivery in the Future Internet (NSERC Discovery'14 – Individual research project), but also outside Canada; viz., High Capacity Wireless Senor Networks for Precision Agriculture Applications: Theory and Implementation (NPRP 7-1638-2-607), with a group of researchers in Qatar.
- 2009-2012: While working at the TRL in the school of computing, Queen's University, I had the opportunity to contribute towards multiple large scales projects related to industrial and governmental applications in Canada; viz., Screen Health Monitoring and Fault Detection using WSNs at Syncrude Canada Inc., WSNs for Forestry and Wildlife Monitoring that has been supported by the Ministry of Natural Resources,Canada. I participated in writing several major grant and research proposals. These proposals were made to both governmental and industrial entities, including NSERC, Ontario Center of Excellence (OCE),Canadian Microelectronics Corporation (CMC), and Syncrude in Canada.

10. İdari Görevler

- Mütevelli Heyeti Başkan Danışmanı
- Mühendislik Fakültesi Araştırmadan Sorumlu Dekan Yardımcısı
- Yapay Zeka Mühendisliği Bölüm Başkanı
- Yazılım Mühendisliği Bölüm Başkanı
- Bilişim Sistemleri Mühendisliği Bölüm Başkanı

11. Bilimsel ve Mesleki Kuruluşlara Üyelikler

- 2011 - 2014: Sprouts Sensor Platform Team
- 2008 - 2011: Monitoring Natural Resources Group
- 2007 - present: Wireless Sensor Networks Group @ TRL, Queen's University
- 2007 - present: IEEE Communication Society (ComSoc)
- 2007 - present: Association for Computing Machinery (ACM)

- 2005 - present: Institute of Electrical and Electronics Engineers (IEEE)

12. Ödüller

- 2022: Lifetime golden-award of Dr. Suat Gunsel from Near East University, Cyprus
- 2022: Best professor award from Near East University, Cyprus
- 2022: Top Researcher Award from Near East University, Cyprus
- 2021: Best professor award from Near East University, Cyprus
- 2021: Top Researcher Award from Near East University, Cyprus
- 2020: Best Research Paper Award from Elsevier Internet of Things Journal
- 2019: Top Downloaded Paper from Wiley Transactions on Emerging Telecommunications Technologies Journal.
- 2019: Best Research Paper Award from Elsevier Computer Communication Journal
- 2018: Top Researcher Award from Antalya Bilim University, Turkey.
- 2018: Authored Book publication award from Antalya Bilim University, Turkey.
- 2017: Authored Book publication award from METU University, North Cyprus.
- 2016: Best paper award in the IEEE IWCMC WS.
- 2011-present: Annually achieving Best paper awards at IEEE's International Conferences.
- 2010: Research Excellence Award, TRL lab, School of Computing, Queen's University.
- 2007/09 - 2011/05: Queen's General Award, Queen's University, Canada.
- 2008/05 - 2008/06: OCE Professional Outreach Award, at Brock University, Canada.
- 2008/02 - 2008/02: OCE Professional Outreach Award, Workshop in Guelph, Canada.
- 2007/09 - 2009/12: Queen's International Student Award, Queen's University, Canada.

13.Son İki Yılda Verilen Lisans ve Lisansüstü Dersler

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci sayısı
			TEORİK	UYGULAMA	
	GÜZ	AI PRINCIPLES AND TECNIQUES	3		20
	GÜZ	AI AND IOT	3		20
	BAHAR	PATTERN RECOGNITION	3		5
2021-2022	BAHAR	AI AND CLOUD COMPUTING	3		20
2022-2023	GÜZ	AI PRINCIPLES AND	3		20

		TECNIQUES			
	GÜZ	AI AND IOT	3		20
	BAHAR	AI AND BLOCKCHAIN	3		20
	BAHAR	AI AND CLOUD COMPUTING	3		20