



Dr.Tahir Saleem

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🔗 <https://scholar.google.com/citations?user=t2DKyT0AAAAAJhl=en>

IEEE Membership # 101184507

EXPERIENCE (Academic & Research)

Dec 2023 – Till date

Consultant (Research & Developement)

U Tech Innovative Solutions & Consultancy Limited,Hong Kong

May 2023 – Till date

Asst. Professor

Department of Computing, Hamdard University Islamabad Campus

Oct 2020 – May 2023

Senior Editorial Manger (Research & Publication)

IDEA Publisher Peshawar

Feb 2020 – Oct 2020

Asst. Professor

Institute of Computing, KUST, Kohat

Sep 2018 – Nov 2019

Asst.Professor

Dept.of Computer Science, Women University, Swabi

Sep 2011 – June 2015

Lecturer

International Islamic University, Islamabad

EXPERIENCE (ADMINISTRATION)

April 2024 – Till date

Head of Department(Computing)

Faculty of Engineering Sciences & Technology, Hamdard University, Islamabad

Sep 2018 – Nov 2019

Head of Department

Dept.of Computer Science, Women University, Swabi

Oct 2018 – Sep 2019

In-charge Admission (Addl.Charge)

Women University, Swabi

April 2019 – Nov 2019

In-charge IT (Addl.Charge)

Women University, Swabi

Jan 2017 – Sep 2018

Asst.Editorial Manger (Research & Publication)

IDEA Publisher Peshawar

EDUCATION

2018

Ph.D in Wireless Communication

International Islamic University Islamabad

- Thesis Title (SAR (Synthetic Aperture Radar) based imaging system using reflected L1/L5 GPS (Global Positioning System) signals)

- 2010 **MS in Wireless Communication**
International Islamic University Islamabad
- Thesis Title (Effect Of GPS Error Sources And Techniques To Mitigate Them For Improved GPS Position Fix)
- 2006 **BS Information Technology**
Kohat University of Science Technology, Kohat

PROFESSIONAL TRAININGS/CERTIFICATES

- **Deep Learning for Real Estate Price Prediction: Aug 2023** Project Certificate from Coursera
- **Python for Data Science, AI & Development: April 2023** Course Certificate from IBM & Coursera
- **NASA Applied Remote Sensing Training: March 2023** Crop Mapping using Synthetic Aperture Radar (SAR) and Optical Remote Sensing.
- **Improving Research Planning skills using Elsevier Tools-Science Direct Scopus: Feb 2021**

Membership

Professional

- **IEEE** Professional Membership # 101184507
- **Pakistan Engineering Council** Membership # ELECTRO/30888
- **Member of International** Association of Computer Science and Information Technology (IACSIT), **Singapore**

Academic

- **Convenor - Program Accreditation Committee** (Dept of Computing, Hamadard University Islamabad Campus)
- **Member - Board of Studies** (Dept of Computing, Hamadard University Islamabad Campus)
- **Member - Departmental Research Committee** (Dept of Computing, Hamadard University Islamabad Campus)
- **Member - Academic Council** (Women University Swabi)
- **Member - Board of faculty** (Women University Swabi)
- **Convenor - Board of Studies** (Women University Swabi)

AWARDS/HONORS

Professional

- **Outstanding Reviewer** IEEE 23rd Int. Multi Topic Conference Nov 2020, Islamia University Bahawalpur
- **Session Chair** IEEE Int. Conf on Electrical, Communication Computer Engg July-2019, University of Buner.
- **Best Campus Ambassador** Youth Carnival March-2019 Institute of Space Technology, Islamabad
- **Best Campus Ambassador** NUTEC'19 Feb-2019 FAST National University, Peshawar

Academic

- **HEC - IRSIP Foreign Fellowship** (University of New South Wales (UNSW), **Australia**)
- **HEC Indigenous Scholarship** (MS leading to PhD)

Research Projects (Supervised)

- **Blockchain** Based Secure Tender System
- **Blockchain** Based Verification of Academic Credentials
- **Web Portal** For Real Estate Management

RESEARCH INTEREST

Wireless Comm

6G & Next Generation Mobile Communication, Satellite Communication, Wireless Sensor & Adhoc Networks

GNSS Remote Sensing	Atmospheric Remote Sensing, Hydrology & Vegetation Remote Sensing, Passive Microwave Imaging
Optimization Tech	Heuristic Computational Techniques, Machine Learning Techniques

TEACHING INTEREST

Under Graduate Level	Data Communication, Computer Networks ,DLD, Operating System, Network Protocols, Data Science, Cyber Security
Graduate Level	Machine Learning, Wireless Communication, Satellite Communication, Adhoc Sensor Networks

SKILLS

Languages	English, Urdu,Pashto
Computer skills	Python, Matlab, C++, C#, MS Visio etc

PUBLICATIONS

- [13] Shaheer Muhammad, Tayyaba Arooj,Hannan Adeel,**Tahir Saleem Khattak**, Inamur Rehman Rao "AI-based skin cancer detection algorithms: opportunities, challenges, and way forward" **Asian Journal of Science, Engineering and Technology (AJSET) 2025** 4 (1), 87–105. <https://doi.org/10.47264/idea.ajset/4.1.6> ISSN: 3006-6980.
- [12] Afzal Badshah, Ali Daud, Tariq Alsahfi, M. Ramazan, Summair Raza **Tahir Saleem Khattak**, "The Future of Smart Roads: Technology, Challenges and Potential" **Proceedings of 2nd IEEE International Conference on Emerging Technologies in Electronics, Computing and Communication. (ICETECC 2025) April 23-25, 2025.**
- [11] Shaheer Muhammad, Hannan Adeel, **Tahir Saleem Khattak**, Inamur Rehman Rao, Shamaila Hayat "Assessing the fidelity of ultrasonic distance sensors in fire-and-smoke environment" **Asian Journal of Science, Engineering and Technology (AJSET) 2024**, 3(1), 135-150. <https://doi.org/10.47264/idea.ajset/3.1.9> ISSN: 3006-6980.
- [10] Munawar Shah, Muhammad Umar Draz,**Tahir Saleem** "A comprehensive study on the synchronized outgoing longwave radiation and relative humidity anomalies related to global Mw ≥ 6.5 earthquakes" **Springer 2023**, <https://doi.org/10.1007/s11069-023-06262-w> ISSN: 1573-0840 (**IF=3.7**).
- [9] Muhammad Asif, Eid Rehman,**Tahir Saleem**, Muhammad Abid, Muhammad Habib, Muhammad Aslam, Syeda Fizzah Jilani "Incentive-Based Schema Using Game Theory in 5/6G Cellular Network for Sustainable Communication System" MDPI Journal of **Sustainability 2022** , 14(16), 10163; <https://doi.org/10.3390/su141610163> ISSN: 2071-1050 (**IF=3.89**).
- [8] **Tahir Saleem**, M. Usman, Atif Elahi, Noor Gul, "Simulation and Performance Evaluations of the New GPS L5 and L1 Signals" Hindawi Journal of Wireless Communications and Mobile Computing Volume 2017, Article ID 7492703, 4 pages <https://doi.org/10.1155/2017/7492703> ISSN: 1530-8677 (**IF=1.899**).
- [7] Atif Elahi, I.M. Quershi, Fawad Zaman , Noor Gul, **Tahir Saleem** "Suppression of Mutual Interference in Non-Contiguous Orthogonal Frequency Division Multiplexing Based Cognitive Radio Systems" Hindawi Journal of Wireless Communications & Mobile Computing Vol. 2017, Article ID 1860134,pp:5-13 <https://doi.org/10.1155/2017/1860134> ISSN: 1530-8677 (**IF=1.899**).
- [6] Amil Daraz, Suheel Abdullah Malik, **Tahir Saleem**, Sajid Ali Bhati "Ziegler-Nichols-Based-Integral-Proportional-Controller-for-Superheated-Steam-Temperature-Control-System", International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering Vol:11, No:5, 2017, pp. 601-605
- [5] Noor Gul, Aqdas Naveed, Atif Elahi, **Tahir Saleem**, I.M. Quershi, "A combination of double sided neighbor distance and genetic algorithm in cooperative spectrum sensing against malicious users" Proceedings of 14th IEEE International Bhurban Conference on Applied Sciences Technology (IBCAST-2017) Islamabad, 2017, pp. 746-753, <https://doi.org/10.1109/IBCAST.2017.7868137>
- [4] Atif Elahi, **Tahir Saleem**, I.M. Quershi, Noor Gul, "Application of Differential and Cuckoo Search Algorithms in reduction of sidelobes" Proceedings of 19th IEEE International Multi-Topic Conference (INMIC) 2016 Islamabad, 2016, pp. 1-5, doi: 10.1109/INMIC.2016.7840105

- [3] **Tahir Saleem**, M.Usman, "Analysis and Mitigation of Tropospheric Error Effect on GPS positioning using Real GPS Data"International Journal of Electronics and Electrical Engineering Vol.2, No. 3 page 249-253, 2014) ISSN: 2301-380X
- [2] M Usman, **Tahir Saleem**, D.W. Armitage, "Design, Assembly and Testing of a High Gain LHCP Helical Antenna for Reception of Reflected GPS Signals". Journal of Progress in Electromagnetic Research (PIERC), Vol. 44, page 161-174, 2013) ISSN: 1937-8718
- [1] Naqvi Ali., **Tahir Saleem**, Rehan Waqas., Elahi Atif, "8. A Novel Model for Face Recognition". Proceedings of The Eleventh International Conference on Pattern Recognition and Information Processing May 18-20, 2011 Minsk, Belarus, pp. 84-87

PUBLICATIONS

(Under Review)

- [6] Muhammad Shaheer, Sania Ishaq, **Tahir Saleem**, Hanan Adeel , "Deaplearning based Manverning of Autonomous Vehicles in GPS/Communication Denied Environment", Submitted to Asian Journal of Engineering, Sciences & Technology
- [5] **Tahir Saleem**, Nimra Bari, Munawar Shah, Mohammad Usman, "Designing Antenna Array for Remote Sensing Applications", Submitted to Springer GPS Solutions **IF= 4.9**
- [4] Nimra Bari, Munam Ali Shah **Tahir Saleem**, "A Filter-Based Feature Selection Framework to Detect Phishing URLs Using Stacking Ensemble", Submitted to MDPI Drones **IF= 4.7**
- [3] Amad Ahmad, **Tahir Saleem**, Ahmad Sami Al-Shamayleh, Nimra Bari, "Blockchain based authentication scheme for secure Internet of Drones (IoD) data storage" MDPI Drones (**IF=4.7**).
- [2] **Tahir Saleem**, M. Usman, Ihsan ul Haq, Munawar Shah, Atif Elahi, "Design, Assembly and Testing of a High Gain LHCP Helical Antenna Array for Reception of Reflected GPS Signals" Submitted to Hindawi Journal of Wireless Communications and Mobile Computing (**IF=1.899**).
- [1] **Tahir Saleem**, M. Usman, Ihsan ul Haq, Israr uddin "Experimental demonstration of BSAR imaging using new L5 GPS signal", Submitted to IEEE Access **IF= 3.557**