

Majan Abdullah Al Jahdhami

Personal Information

- **Birth** : 07-Feb-1998
- **Address** : Oman, Ash Sharqiyah North, Ibra
- **Phone** : +968 96988577
- **Email** : majanaljahdhami@gmail.com , majan.aljahdhami@asu.edu.om
- **Google scholar**: <https://scholar.google.com/citations?user=EmeTI7MAAAAJ&hl=ar&oi=ao>

Education

- **Bachelor of Engineering: Electronics and Communication Engineering**
A 'Sharqiyah University, Collage of Engineering – 2022
[CGPA: 3.71].

Experience

- **Lab Technician** – [13-11-2022 to Currently]
College of Engineering, A 'Sharqiyah University, Oman.
- **Research Assistant** – [01-02-2023 to 31-07-2023] and [01-12-2021 to 30-05-2022]
A 'Sharqiyah University, Ibra, Oman.
- **Tutor in the academic advising center** – **Fall** [2021/2022], **Spring** [2020/2021], **Spring** [2019/2020] and **Fall** [2018/2019]
A 'Sharqiyah University, Ibra, Oman.

Project

Performance Measurement and Analysis of Mobile Broadband Services in Selected Areas of Oman.

The Objectives of the project are measure and analyze the performance of the MBB service operators in selected areas of Oman in terms of level, quality, CQI, RSSI, ping, and throughput.

Training

- **Engineering Department** – from 29-05-2022 to 29-06-2022
Ibra Hospital, Ibra, Oman.
- **Electronics and Communications Department** – 27-06-2022 to 03-08-2022
College of Engineering, A 'Sharqiyah University, Ibra, Oman.

Professional Skills

- Problem Solving
- Time Management
- Willing to work as a team.
- Critical Thinking
- Leadership
- Mathematics skills
- Computer Skills like
 - a) Microsoft Office Suite.
 - b) Mendeley - Reference Management Software.
 - c) Typing: Good in speed typing and keyboard using in Arabic and English.
 - d) Programming: AutoCAD, fusion 360 (3D Printer), MATLAB, Multisim software, Arduino, LT-Spice, Ng-Spice and C++ language.
 - e) Internet applications & AI applications.

Research publications

- **Majan Abdullah Al Jahdhami**, Ayman El-Saleh, Abduraqeb Alhammadi, Ibrahim Shayea, “Performance Analysis of Mobile Broadband Networks in Ibra City, Oman,” The First International Conference on Artificial Intelligence and Big Data Analytics, Bandung, Indonesia, 27-29 October 2021.
DOI: <https://doi.org/10.1109/ICAIBDA53487.2021.9689751>
- Kawthar Alhajri, **Majan Abdullah Al Jahdhami** and Ayman A. El-Saleh, “An Overview on Solar Tracking Systems,” The 2022 Asia Conference on Electrical, Power and Computer Engineering (EPCE 2022), Shanghai, China, 22-24 April 2022.
DOI: <https://doi.org/10.1145/3529299.3533403>
- Kawthar Alhajri, **Majan Abdullah Al Jahdhami** and Ayman A. El-Saleh, “An Overview on Control Systems for Smart Home,” The 2022 Asia Conference on Electrical, Power and Computer Engineering (EPCE 2022), Shanghai, China, 22-24 April 2022.
DOI: <https://doi.org/10.1145/3529299.3533404> .
- Ayman A. El-Saleh, **Majan Abdullah Al Jahdhami**, Abduraqeb Alhammadi, Zaid Ahmed Shamsan, Ibraheem Shayea, and Wan Haslina Hassan, “Measurements and Analyses of 4G/5G Mobile Broadband Networks: An Overview and a Case Study”, Wireless Communications and Mobile Computing/2023/Article .
DOI: <https://doi.org/10.1155/2023/6205689> .
- **Majan Abdullah Al Jahdhami**, Rajaa Mohammed Al-Alawi, Ayman A. El-Saleh, and Abduraqeb Alhammadi, "Indoor Quality Assessment of 4G/5G Mobile Service Providers in Muscat Governorate of Oman", 2023 10th International Conference on Electrical and Electronics Engineering (ICEEE 2023), Istanbul, Turkey, 2023, pp. 178-183.
DOI: [10.1109/ICEEE59925.2023.00040](https://doi.org/10.1109/ICEEE59925.2023.00040)
- Tareq M. Shami, Mhd Amen Summakieh, Mohammed Alswaiti, **Majan Abdullah Al Jahdhami**, Abdul Manan Sheikh, and Ayman A. El-Saleh, “TPPSO: A Novel Two-Phase Particle Swarm Optimization”, International Journal on Informatics Visualization/2023/Article.
DOI: <http://dx.doi.org/10.30630/joiv.7.3-2.2331>
- Abduraqeb Alhammadi, Rajaa Mohammed Al-Alawi, **Majan Abdullah Al Jahdhami**, Ayman A El-Saleh, Zool Hilmi Ismail, Zaid Ahmed Shamsan, Ibraheem Shayea, “Revolutionizing Mobile Broadband: Assessing Multicellular Networks in Indoor and Outdoor Environments”, in IEEE Access, vol. 12, pp. 120840-120863, 2024.
DOI: [10.1109/ACCESS.2024.3451961](https://doi.org/10.1109/ACCESS.2024.3451961)
- Rajaa Mohammed Al-Alawi, **Majan Abdullah Al Jahdhami**, Ayman A. El-Saleh, and Abduraqeb Alhammadi, “Assessing the Outdoor Quality of 4G/5G Mobile Service Providers in the Muscat Governorate of Oman”, 2023 10th The Multimedia University Engineering Conference 2023 (MECON 2023), Malaysia/Online, 26-28 July 2023.
DOI: <https://doi.org/10.1063/5.0242995>
- **Majan Abdullah Al Jahdhami**, Ayman El-Saleh, Abduraqeb Alhammadi and Ibraheem Shayea “Comparative Study of Indoor Performance Metrics in Ibra City's Mobile Broadband Networks, Oman” 2024 6th International Conference on Communications, Signal Processing, and their Applications (ICCSPA), ISTANBUL, TÜRKIYE, 8 - 11 JULY, 2024.
Under publication
- Ayman A. El-Saleh , Abduraqeb Alhammadi , **Majan Abdullah Al Jahdhami** , Adnan Kabbani , Ibraheem Shayea , Siva Priya Thiagarajah “An Experimental Study on 5G Mobility Management: A Drive Test Approach” 2024 6th International Conference on Communications, Signal Processing, and their Applications (ICCSPA), ISTANBUL, TÜRKIYE, 8 - 11 JULY, 2024.
Under publication

Technical Committee Member:

- International Conference on Energy and Sustainability (ICES) 2024
23-24 April 2024 Hybrid (Online and In-Person) Ibra, Sultanate of Oman
Website: <https://ices.asu.edu.om/>

Professional Engagements:

- Member, College Health & Safety Environment Committee.
- Member, QS Ranking Committee.
- Engineering Day Committee Organizer, College of Engineering.
- Scientific Research Day Coordinator for the Engineering Research Department.
- Active Participant in Annual University Day.

Professional Achievements as a Laboratory Technician

- Developed comprehensive practical work handbook for experiments in Laboratory of (Communication Electronics, Optical Communications and Digital Systems).
- Established a standardized model for documenting laboratory experiment reports.
- Streamlined and organized educational laboratories and storage areas.
- Prioritized safety and security within the laboratories by providing necessary safety equipment, regulations, and signage.
- Created informative guidelines for available equipment within the laboratory.

Workshops

- **IEEE Authorship and Open Access Symposium: Tips and Best Practices to Get Published from IEEE Editors** -(IEEE Xplore).
- **Smart cities, emotional intelligence, cyber security, Internet of things, renewable energies** - (Edlal platform)
- **Internet of Things and Applications & Critical Thinking -Analysis of Argument** - (TRA Virtual Academy in UAE)
- **Arduino Workshop** - (Zerone Company).
- **self change management strategies, HSF and Home aid** - (ASU, community services&continuous learning center,).
- **Design and Simulation of Solar Powered Pumping System Using PV SYST Software** – (ICT, Industry and Community Engagement Committee).
- **Engineering Programs by OQ Group** (career guidance services at Sohar University)
- **The use of artificial intelligence in the preparation of scientific research components** (Mustaqbal University)
- **Artificial intelligence, and its use in writing content.**

References

Dr. Ayman El Saleh

A ‘Sharqiyah University Director of Research and Graduate Studies, Assistant Professor of Electronics & Communication.