

CURRICULUM VITAE

Mashhoor Altarayrah (BSc. MSc.)

✉ Email: mtarayrah8@gmail.com
☎ (+972) 593675241



Profile

Mashhoor Al Tarayrah (1984) received M. Sc. Electrical Engineering/ Wireless communications from Jordan University of Science and Technology (JUST), Irbid-Jordan, in May 2011 with very good degree. And he received B. Sc., Electrical Engineering (Biomedical Engineering), Palestine Polytechnic University (PPU), Hebron-Palestine, June 2007 With Very good (1st rank). A highly motivated Electrical Engineer. Other strengths include immense numerical, IT, planning and organizing skills.

Education:

- 2008 - 2011** M. Sc., Electrical Engineering, Wireless communications, Jordan University of Science and Technology (JUST), Irbid-Jordan
- **M. Sc. Thesis:** *Channel Equalization in Multicarrier Wireless Communication Systems based on Filter Banks*
 - Graduation Degree : Very good

Advisor: Dr. Mohammad M. Banat (<http://mbanat.net>)

- 2002 – 2007** B. Sc., Electrical Engineering (Biomedical Engineering), Palestine Polytechnic University (PPU), Hebron-Palestine, June 2007.
- **B. Sc. Graduation project:** *Designing Spirometer using Turbine sensing devices. A Computerprograms(Labview & Matlab) to read data from hardware system and process it to give Lung capacity, flow rate ...etc. and make it possible to diagnose the patient.*
 - Graduation Degree : Very good (1st rank)

2002 High School Tawjihi (scientific branch)

- Graduation Degree : 92.3

Work Experiences:

- | | | |
|------------------------------|---|-----------------------------|
| 23/8/2022 – 29/2/2024 | Lecturer – American University of Iraq-Sulaimani
➤ Engineering Department | [Iraq- Sulaymaniyah] |
| 9/3/2013 – 15/9/2022 | Lecturer – King Faisal University
➤ Electrical Engineering Department | [Saudi Arabia] |
| 2011 - 2013 | Lecturer (Part Timer) – Palestine Polytechnic University (PPU)
➤ Electrical Engineering Department | [Palestine] |

IT Skills and Programming

- Microsoft Windows & Office Tools
- Labview
- MultiSIM
- MATLAB
- C++
- Arduino Programming
- CASSY Lab (for Leybold devices)

Academic Experience:


- Antenna and radio waves.
- General Electrical Circuits.
- Electronic circuits I & II.
- Radio and TV.
- Fundamentals of Communications systems.
- Fundamentals of Communications systems Lab.
- Electronic circuits Lab.
- Digital Logic Design Lab.
- Computer skills (MATLAB).
- Numerical Methods
- Probability and Statistics
- Introduction to Computers
- Mechanics II
- Fabrication shop
- Control Systems
- Circuits
- Introduction to Programming using PYTHON language
- Energy storage systems
- Engineering Drawing (AutoCAD)
- Measurements Lab

- Training students to pass Fundamentals of Engineering exam (NCEES)

Honors and Awards:

- 2008 - A scholarship awarded by German Academic Exchange Service (DAAD) to attain the M.Sc. Degree in Electrical Engineering/ Wireless communication at Jordan University of Science and Technology(JUST)

Publications:

- **Qasem Abu Al-Haija, Mashhoor Al Tarayrah, Hasan Al-Qadeeb, Abdulmohsen Al-Lwaimi,** " A Tiny RSA Cryptosystem based on Arduino Microcontroller Useful for Small Scale Networks", The 9th International Conference on Future Networks and Communications (FNC'14)/International Symposium on Emerging Inter-networks, Communication and MOBILITY (EICM 2014), Procedia  Computer Science, Volume 34, 2014, Pages 639- 646.
- **Mashhoor Al Tarayrah and Qasem Abu Al-Haija,** "*LMS-based Equalization in Filter Bank Multicarrier Wireless Communication Systems*", The International Conference on Digital Information Processing, E-Business and Cloud Computing (DIPECC2013), UAE, pp. 87-94, October 2013.

- **Mashhooor AlTarayrah and Qasem Abu Al-Haija**, "*Adaptive Channel Equalization for FBMC Based on Variable Length Step Size and Mean-Squared Error*", International Journal of Digital Information and Wireless Communications (IJDIWC) 3(4), UAE, pp.66-76, December 2013.
- **QA Al-Haija, MI Al Tarayrah, HM Enshasy**, "*Time-Series Model for Forecasting Short-term Future Additions of Renewable Energy to Worldwide Capacity* ", 2020 International Conference on Data Analytics for Business and Industry: Way Towards a Sustainable Economy (ICDABI), 2020
- **Hesham M Enshasy, Qasem Abu Al-Haija, Hasan Al-Amri, Mohamed Al-Nashri, Sultan Al-Muhaisen, Mashhooor Al-Tarayrah**, "*Time-Series Model for Forecasting Short-term Future Additions of Renewable Energy to Worldwide Capacity* ", Journal of Research in Engineering and Applied Sciences, JREAS, 2019
- **Q. Abu Al-Haija, G.F. Manasra, M. Al Tarayrah**, "*Communication power analysis of applying MQV Key agreement scheme for wireless sensor network*", 2017 IEEE International Conference on Intelligent Techniques in Control Optimization & Signal Processing (INCO'17), 2017.

Languages:

- Arabic (native language).
- English (read, write, speak).

Workshops & Conferences Attended:

2018	Project-Based Education (in Arabic) workshop	[King Faisal University, KSA]
2018	Skills of Successful Assessment	[King Faisal University, KSA]
2019	Measuring the Intangibles in Higher Education workshop	[King Faisal University, KSA]
2019	Integrating Team-based Learning with Social Media to Support Millennial Learners workshop	[King Faisal University, KSA]
2019	Teaching to Touch the Heart and the Mind workshop	[King Faisal University, KSA]
2020	From Lab to Market	[King Faisal University, KSA]
2021	Mechanisms to motivate and monitor students' performance workshop	[King Faisal University, KSA]
2023	Experiential Learning and Alternative Assessments Workshop	[American University of Iraq-Sulaimani]
2023	STEM Inclusivity Workshop	[American University of Iraq-Sulaimani]

Service activities (within and outside of the institution):

- Academic and Student Affairs Committee member
- Alumni and Engineering Training member
- Industrial Relationships Committee member
- Strategic Plan Committee member
- Scheduling and registration committee Chair
- Assessment and Continuous Improvement Committee
- Member of several Committees in the Department as well as College levels
- Fundamentals of Engineering exam training coordinator

References

- Dr. Adel Aldalbahi
Dean College of Engineering
Director of Industrial Relation and Technology Transfer
Associate Professor, Department of Electrical Engineering , King Faisal University, Saudi Arabia
Tel: +966- 543388552 . E-mail: aaldalbahi@kfu.edu.sa

- Dr. Mohammed Alarfaj
Assistant Professor, Department of Electrical Engineering , King Faisal University, Saudi Arabia
Tel: +966- 566404833 . E-mail: mkalarfaj@kfu.edu.sa

- Dr. Mohammad M. Banat (<http://mbanat.net>)
Senior Member, IEEE, Jordan
Associate Professor, Department of Electrical , Engineering Jordan University of Science and Technology
Tel: +962- 79-5289616 . E-mail: m.banat@ieee.org

- Dr. Hesham Enshasy
Assistant Professor, Electrical Engineering
Electrical Engineering Department COLLEGE of Engineering
King Faisal University Al-Hofof, Al-Ahsaa 31982, KSA
Phone: (+966)-13-589-5435 , Cell : (+966)-58-2434105
Email : henshasy@kfu.edu.sa

- Dr. Kifah Jawdi,
Assistant Professor, Department of Engineering
American University of Iraq-Sulaimani, Iraq
Email:kifah.jawadi@auis.edu.krd
Tel: +1 905 5467979

- Ahmed Salih Mohammed,
Assistant Professor, Department of Engineering
American University of Iraq-Sulaimani, Iraq
Email:kifah. ahmed.salih@auis.edu.krd
Tel: +9647701588695