

Curriculum Vitae

1. Name: Dr. Haitham Issa

2. Education

PhD, Communication Engineering, Zhejiang University, China, 2002
MSc, Microelectronics Engineering, Zhejiang University, China, 1999
BSc, Electrical Engineering, Garyounis University, Libya, 1986

3. Academic Experience

Zarqa University, Jordan, Assistant Professor, Information Technology, 2002 - 2006, Full-time.
Isra University, Assistant Professor, Electrical Engineering, 2006 - 2009, full-time
King Salman University, Saudi Arabia, Assistant Professor, 2009-2012, Full-time
Information Technology College, Oman, 2012-2016, Full-time
Zarqa University, Jordan, Assistant Professor, Electrical Engineering, 2016 - present, Full-time.

4. Non-academic Experience

1. Ministry of Water & Irrigation

Amman, Jordan

Senior Electronic Engineer

Oct 1994– Jul 1995

Responsibilities in the field of electronic counters using ultrasonic waves and in the department of SCADA (Supervisory Control & Data Acquisition) systems.

- SCADA Expert.

2. Middle East Telecommunication and Electronics Company (METE)

Amman, Jordan

Maintenance Engineer

Apr 92 - Sep94

Responsible for maintenance of electronic and telecommunication systems such as PABX (Private Automatic Branch Exchanges) and Facsimile devices of NEC (Nippon Electrical Company)

5. Certification

- Course in Electrical Installations.
- Practical course in the design of electrical Installations.
- Advanced Course in Radios & Recorders (maintenance and repairing).
- Advanced course in TV-Engineering (maintenance and repairing).
- Course in Video (maintenance and repairing).
- RS View32 SCADA software, course training, **Rockwell Automation Centre, Birmingham, Satin Coldfield, U.K.**
- WinCC Siemens software for SCADA systems, course training.
- Wi-Fi Networks, Implementation & Troubleshooting, **London, U.K, Learning Tree Centre**, course training.
- Introduction to Datacomm & Networks, **London, U. K, Learning Tree Centre**, course training.
- WinCC Siemens SCADA software course, Jordan.
- GIS software, course training, Jordan.

6. Service Activities

Chairman, Electrical Engineering, Jordan, Zarqa University, 2021-2023

7. Important Publications from the Past Five Years

1. Haitham Issa, Sali Issa and Wahab Shah, “A novel method for gender and age detection based on EEG brain signals”, The International Arab Journal of Information Technology, Vol. 18, No. 5, September 2021.
2. Mohanad A. Deif, Hani Attar, Ayman Amer, Haitham Issa, **Mohammad R. Khosravi**, and Ahmed A. A. Solyman, “A New Feature Selection Method Based on Hybrid Approach for Colorectal Cancer Histology Classification”, Hindawi Wireless Communications and Mobile Computing Volume 2023, <https://doi.org/10.1155/2023/9872579>, 19 July 2023. – **Published** –.
3. Rania E. Hammam, Hani Attar, Ayman Amer, Haitham Issa, Ioannis Vourganis, Ahmed Solyman, P. Venu, **Mohammad R. Khosravi**, and Mohanad A. Deif, “Prediction of Wear Rates of UHMWPE Bearing in Hip Joint Prosthesis with Support Vector Model and Grey Wolf Optimization”, Hindawi Wireless Communications and Mobile Computing, Volume 2022, 09 May 2022. – **Published** –.
4. Haitham Mohammad Ata Issa, “Windowing Functions for Improving the Frequency Response of Linear Matched Surface Acoustic Wave (SAW) Filters”, 2022 International Conference on Computing, Communication, Security and Intelligent Systems (IC3SIS), 23-25 June 2022. – **Published** –.
5. **Hani Attar**, Haitham Issa, Jafar Ababneh, Mahdi Abbasi, Ahmed A. A. Solyman,⁵ Mohammad Khosravi,⁶ and Ramy Said Agieb⁷, “5G System Overview for Ongoing Smart Applications: Structure, Requirements, and Specifications”, Volume 2022 | Article ID 2476841 | <https://doi.org/10.1155/2022/2476841>, 11 Oct 2022. – **Published** –.
6. Haitham Issa, Qinmu Peng, Sali Issa, Xinge You, Ruijiao Peng, “Person-Independent Emotion and Gender Prediction (EGP) System Using EEG Signals”, The International Arab Journal of Information Technology, Vol. 19, No. 4, July 2022. – **Published** –.
7. Sali Issa, Qinmu Peng, Haitham Issa, “Alzheimer Disease Investigation in Resting-State fMRI Images Using Local Coherence Measure”. Part of the Lecture Notes in Networks and Systems book series (LNNS, volume 716), June 2023. – **Published** –.


8. *Khalid Yahya, Hani Attar, Haitham Issa, Jamal Ali Ramadan Dofan, Nassim A. Iqteit, Adel E. M. Yahya, Ahmed Amin Ahmed Solyman* , “Investigating and calculating the temperature of hot-spot factor for transformers”, *Indonesian Journal of Electrical Engineering and Computer Science*, Vol.30, No.3, June 2023, pp. 1297~1307. .– **Published** –.
9. Khosro Rezaee; Mohammad R. Khosravi; Hani Attar; Varun G. Menon; Mohammad Ayoub Khan; Haitham Issa; Lianyon, “IoMT-Assisted Medical Vehicle Routing Based on UAV-Borne Human Crowd Sensing and Deep Learning in Smart Cities”, IEEE Internet of Things Journal, Volume: 10, Issue: 21, 01 November 2023. .– **Published** –.
10. Emar, W., Issa, H., Kanaker, H., Fares, O., Attar, H., “A New Double-Switch SEPIC-Buck Topology for Renewable Energy Applications”, *MDPI Energies Journal*, Volume 17 , Issue 1 , 10.3390/en17010238 , 2024, 17(1), 238. .– **Published** –.

8. Publications since 2000 up to 2019


1. Haitham. M. A. Issa, Zhu Da Zhong and Qiu Pei Liang “Derivation of Two Mathematical Models to Simulate Surface Acoustic Wave Programmable Transversal Filter Devices”. The 2000 Arab Conference on Information Technology (ACIT’2000), Zarka Private University (ZPU), Jordan, October 2000 (www.acit2k.org) –**Published** –.
2. Haitham. M. A. Issa, Sun Jian and Qiu Pei Liang “Using step-graded method to decrease the electrode finger reflections of SAW filters”. International Arab Conference on Information Technology (ACIT2001), Jordan University of Science & Technology, September 2001–**Published** –
3. Haitham. M. A. Issa, Zhu Da Zhong, and Qiu Pei Liang* “Use of Superposition Principle to Derive a General Mathematical Model to Simulate One-to-One, One-to-Multi and Multi-to-Multi SAW Filter Designs”. *Journal of Zhejiang University Science A*, October 2001. – **Published** –. **Impact Factor 0.882**.
4. Haitham. M. A. Issa and Qiu Pei Liang* “Two Encoding Techniques to Increase the Data Rate of IEEE 802.11b WLAN”, *Journal of Circuits & Systems (电路与系统学报)*, China, March 2002 – **Published**–.
5. Haitham. M. A. Issa, Sun Jian and Qiu Pei Liang “Using modified Hamming window technique to increase the side-lobe rejection of the frequency response of surface acoustic wave filters”, IEEE 2002 International Conference on Communications, Circuits and Systems and West Sino Expositions Proceedings, China, 29 June-1 July 2002, pages 534 - 538 vol.1 - **Published**–.
6. Haitham. M. A. Issa and Qiu Pei Liang* “Using Modified Fast Walsh Transform (MFWT) to accommodate Increasing Data Rate of IEEE 802.11b PHY WLAN to 22 Mbps”, IEEE 2002 International Conference on Communications, Circuits and Systems and West

7. Haitham. M. A. Issa, Mohammad Al-Taei and *et al* “Performance of Complementary Code Keying (CCK) Modulation Scheme for IEEE 802.11b WLAN in Gaussian Noise Channel”, International Arab Conference on Information Technology (ACIT2002), Qatar University, Qatar, December 2002 – **Published** –.
8. Haitham. M. A. Issa, Abuelrub, E. E. M., and Liang, Q. P “Using Modified Fast Walsh Transform (MFWT) to accommodate Increasing Data Rate of IEEE 802.11b PHY WLAN to 16.5 Mbps”, **International conference, Telecommunications ICT-; Publishing House of Electronics Industry; 2002**; Beijing, China. – **Published** –.
9. Haitham. M. A. Issa, “Simulating Linear Matched SAW Filters Based on Delta Function”, STS International Conference on Communication Technologies (ICCT 2010), King Saud University, Saudi Arabia, Jan 2010.– **Published** –.
10. Haitham. M. A. Issa, Sali M. A. Issa, and Mohammad H Issa, Rustaq Applied Science College, “Design a new Hybrid 3D Biometric Facial Recognition System Using PhotoModeler & Neural PNN”, Oman, - **published at IAJIT Journal on Sep 2016. Impact Factor 0.582.**

9. Paper Citations on Scopus and Google Scholar



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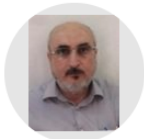
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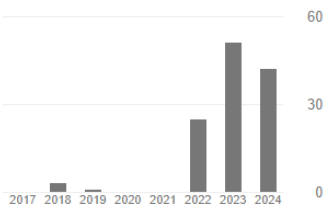
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[Retracted] Prediction of Wear Rates of UHMWPE Bearing in Hip Joint Prosthesis with Support Vector Model and Grey Wolf Optimization RE Hammam, H Attar, A Amer, H Issa, I Vourganas, A Solyman, P Venu, ... Wireless Communications and Mobile Computing 2022 (1), 6548800	23	2022
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