

Curriculum Vitae

Name: Saleh Suleman Saraireh

Cellular Phone: (+962-779-741368).

E-Mail: saleh_53@yahoo.com.

Address: P. O. Box (20), Al-Hussein Bin Talal University, Maan, Jordan.

Personal Data :

Nationality: Jordanian.

Marital Status: Married.

Date of Birth: 29/5/1980.

Education:

- 1- PhD in Electrical Engineering / Communication, The University of Sheffield, Faculty of Engineering, United Kingdom, 2009.

Thesis Title:

"Scalable Block Cipher Design Using Filter Banks over Finite Fields"

- 2- M.Sc. in Communication Engineering, Mutah University, Jordan, 2006 with Accumulative Average (Excellent).

Dissertation Title:

"Design and Performance Analysis of Multirate Digital Filter Banks for Application in Communications"

- 3- B.Sc. in Communication Engineering, Mutah University, Jordan 2003 with Accumulative Average (Very Good).

- 4- Scientific Secondary School (Tawjihi), Jafer Bin Abi Taleb Secondary School, Jordan 1998 with Accumulative Average (Excellent).

Experience:

4/2/2020 – Present : Professor in Communication Engineering Department, Faculty of Engineering, Al-Hussein Bin Talal University, Maan, Jordan.

17/9/2017 – 3/2/2020 : Associate Professor in Communication Engineering Department, Faculty of Engineering, Al-Hussein Bin Talal University, Maan, Jordan.

1/9/2014 – 31/8/2017: Head of the Department of Communication and Electronic Engineering, Faculty of Engineering, Philadelphia University, Amman,

2/12/2014 – 31/8/2017: Associate Professor in Communication and Electronic Engineering Department, Faculty of Engineering, Philadelphia University, Amman, Jordan.

1/9/2009 – 1/12/2014: Assistant Professor in Communication and Electronic Engineering Department, Faculty of Engineering, Philadelphia University, Amman, Jordan. Teaching the following courses

Courses:

- 1) Networks and Systems Security (Msc Program).
- 2) Communication Systems.
- 3) Analog Communication.
- 4) Communication (I)
- 5) Digital Communication.
- 6) Communication Circuits.
- 7) Electromagnetic (I).
- 8) Electromagnetic (II).
- 9) Control Systems.
- 10) Signals and Systems.
- 11) Network Analysis and Synthesis.
- 12) Digital Signal Processing.
- 13) Engineering Analysis (1)
- 14) Digital Communication Lab.
- 15) Analog Communication Lab.
- 16) Electronics Lab.

2012 – 2015: Part time lecturer in Jordan University, Amman, Jordan

Courses:

- 1) Numerical Methods for Engineering.
- 2) Signal and Systems.
- 3) Measurements and Instrumentations.
- 4) Selected topic in Communication/ Information Security.

2010 – 2012: Part time lecturer in German Jordan University, Amman, Jordan

Courses:

- 1) Electromagnetic.
- 2) Electric Circuit (II).
- 3) Power Electronics.

2006 – 2009: Lab and Tutorial demonstrator, University of Sheffield, United Kingdom.

Courses:

- 1) Signals and Systems.
- 2) Electronics.
- 3) Electrical Circuits.
- 4) Matlab.

2004 - 2006 : Communication Engineer, Jordan Television, Maan, Jordan.

2003 – 2004 : Training in Jordan Telecom Group as a Communication Engineer, Karak, Jordan.

6/2002 – 8/2002: Training in Jordan Telecom Group, Karak, Jordan.

Publications:

Ali Al-Khawaldeh and **Saleh Saraireh**, “Multi-parallel Processing based OFDM for Combatting PAPR”, 20th International Multi-Conference on Systems, Signals and Devices (SSD’23) February 20–23, 2023, Mahdia, Tunisia

Saleh Saraireh and Mohammad Saraireh” *Fuzzy Based System For Assessing And Enhancing Qos For Wireless Networks*” *International Journal of Scientific & Technology Research*, Vol (9), no. (9), pp. 57 – 61, 2020.

Mohammad Saraireh and **Saleh Saraireh**” *A Novel Collision Ratio Based Scheme For Improving The Performance Of Wireless Network*” *International Journal of Scientific & Technology Research*, Vol (9), no. (9), pp. 267 – 273, 2020.

Saleh Saraireh, “*Providing confidentiality, data integrity and authentication of transmitted information,*” *ARPN Journal of Engineering and Applied Sciences*, Vol. 14, No. 1, 2019.

Saleh Saraireh, Jaafer Al-Saraireh, Mohammad Saraireh, “*Integration of Hash - Crypto- Steganography for Efficient Security Technique*”, *International Journal of Circuits, Systems and Signal Processing*, Vol. (12), pp. 274-278, 2018.

Saleh Saireh, J AL-Saireh, Y Al-sbou, M Saireh, "A HYBRID TEXT - IMAGE SECURITY TECHNIQUE", Journal of Theoretical and Applied Information Technology Vol. 96, no. (9), pp. 2414 – 2422, 2018.

Saleh Saireh and Mohammad Saireh, "Filter Bank Block Cipher and LSB Based Steganography for Secure Data Exchange", International Journal on Communications Antenna and Propagation (IRECAP), Vol. (7), No. (1), pp. 1-7, 2017

Saleh Saireh, "Lifting Based S-Box for Scalable Block Cipher Design Based on Filter Banks" Jordan Journal of Electrical Engineering (JJEE), Vol. (3), No. (2), pp. 150 – 158, 2017.

Othman Alsmadi, Zaer Abo-Hammour, Dia Abu-Al-Nadi, **Saleh Saireh**, "Soft Computing Techniques for Reduced Order Modelling: Review and Application" Intelligent Automation and Soft Computing, vol 21, pp. 1-18, 2015.

Ja'afer Al-Saireh, **Saleh Saireh**, Mohammad Saireh, "A Novel Adaptive Contention Window and Distributed Inter Frame Space for IEEE 802.11" International Review on Computers and Software (IRECOS), vol. 10, no. 4, pp. 407-414, 2015.

Qadri Hamarsheh, Omar Daoud, and **Saleh Saireh**, "Large power peaks detection based on Wavelet Transform" International Journal of interactive Mobile Technologies, vol. 8, no. 4, pp. 14-19, Oct. 2014.

Omar Daoud, Qadri J. Hamarsheh and **Saleh S. Saireh**" Peak Detection Using Wavelet Transform " International Journal of Computer Networks & Communications (IJCNC), Vol.6, No.4, May 2014.

Jaafer AL-Sariereh, **Saleh Saireh**, Mohammad Saireh and Mohammad bni Yonis, " Adaptive Inter Frame Space for Service IEEE 802.11 MAC Protocol", Communications and Network, Vol. (6), No. (3), 2014.

Jaafer AL-Sariereh, Mohammad Saireh and **Saleh Saireh**, " A Novel Adaptive Contention Window Scheme for IEEE 802.11 MAC Protocol", Trends in Applied Sciences Research, Vol. (9), No. (5), 2014.

O. Daoud, Q. Hamarsheh, and **S. Saireh**, "PAPR Reduction Based on Entropy Wavelet Transform for Sniffer Mobile Robot," International Journal of Electronics and Communications- AEÜ, vol. 68, no. 12, pp. 1165-1172, 2014.

Othman Alsmadi, **Saleh Saireh**, Zaer Abo-Hammour and Ali Al-Marzouq "Substructure Preservation Sylvester-Based MOR with Application to Power Systems" Electric Power Components and Systems, Vol. (42), No. (9), 2014 .

Saleh Saireh, Yazeed Al-sbou, Ja'afer Al-saireh and Othman Alsmadi," Image Encryption Scheme Based on Filter Bank and Lifting" International

Journal of Communications, Network and System Sciences (IJCNS,) Vol. (7), No. (1), 2014.

Saleh Saireh, Mohammad Saireh and Yazeed Alsbou "Secure Image Encryption Using Filter Bank and Addition Modulo 2^8 with XOR Combination" *International Journal of Computer Science and Security (IJCSS)*, Vol. (7), No. (2), 2013.

Saleh Saireh "A Secure Data Communication System Using Cryptography and Steganography" *International Journal of Computer Networks & Communications (IJCNC)* Vol.5, No.3, 2013.

Saleh S. Saireh, Qadri J. Hamarsheh and Omar Daoud" OFDM Peak Detection Algorithm based on Wavelet Transform" *European Journal of Scientific Research (EJSR)*, Vol. 101 No 2, 2013.

Ja'afer Alsaraireh, Mohammad Saireh, **Saleh Saireh** and Mohammed Alnabhan , "Formal Analysis of A Novel Mutual Authentication and Key Agreement Protocol " *Journal of Computer Science & Technology*, Vol. 11 - No. 2, 2011.

S. Saireh, M. Benissa, "A Scalable Block Cipher Design using Filter Banks over Finite Fields" In *Acoustics Speech and Signal Processing (ICASSP), 2010 IEEE International Conference*, Dallas, TX, USA.

S. Saireh, M. Benissa, "A Scalable Block Cipher Design using Filter Banks and Lifting over Finite Fields" In *IEEE International Conference on Communications (ICC)*, Dresden, Germany, 2009.

Granted Projects, Awards and Fellowships

- International Credit Mobility at Staffordshire University, Erasmus+, 2020.
- Capacity Building for Higher Education, Erasmus+, Introducing Recent Electrical Engineering Development for Undergraduate Curriculum (IREEDER), Co - Investigator, Grant Amount \$840 K. 2019.
- Ph.D. Scholarship from Philadelphia University, Jordan, 2006.
- Msc Scholarship from Emmar Al - Karak Corporation, 2003.
- Bsc Scholarship from Ministry of Higher Education, Jordan, 1998.

Master Thesis Supervision

- Manar Mustafa Aldasee, "Enhancement of Security Services for WSN", 2020.
- Abdullah Ali Marzouq Abushattal, "Quality of Service Evaluation for Fifth Generation of Mobile Communication"2023

Conferences, Symposia, Seminars &Workshops:

Participation in More than 10 Conferences, Symposia, Seminars &Workshops.

Cultural, and Academic activities

- 1- Member in Al – Hussien bin Talal University Council (2022 - 2023)
- 2- Member in Communication Engineering Department in AL-Hussien Bin Talal University.
- 3- ABET Accreditation Coordination Committee Chair, Department of Communication and Electronic Engineering, Philadelphia University, 2017.
- 4- Member of the Quality Assurance Expert Committee, Faculty of Engineering, Al – Balqa Applied University, 2021.
- 5- Accreditation Committee Member, Electrical Engineering
- 6- Editorial Board Member in Jordan Journal of Electrical Engineering, 2021 until now.
- 7- Member of the Faculty of Engineering Council, 2020 - 2021
- 8- Member in Postgraduate Committee of the Faculty of Engineering 2020 until now.
- 9- Member in Postgraduate Committee in the Department of Computer Engineering 2020 until now.
- 10- Chairman of the Department Quality Assurance Committee, Department of Communication Engineering.
- 11- Member in Faculty of Engineering Quality Assurance Committee.
- 12- Internal Examiner for many master theses.
- 13- External Examiner for many master theses.
- 14- Reviewer for many international journals.
- 15- Reviewer for National Technology Parade.
- 16- Reviewer for many international conferences.
- 17- Member in IEEE.
- 18- Member in Jordan Engineers Association.