Curriculum Vitae………………

Name: Qadri Jamal Hamarsheh
Professor of Computer Engineering
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Philadelphia University, 19392 Jordan
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Personal Data:
Birth Date: 08-01-1967
Nationality: Jordanian
Gender: Male
Marital Status: Married

Education:
- **2001** Ph.D. Computer Machines, Systems and Networks**;** Lviv University, Lviv –Ukraine.
- **1991** M.Sc**.** Computer Machines, Systems and Networks**,** Lviv University, Lviv –Ukraine.

Academic Promotions:
- ✓ Assistant Professor: 1/9/2001.
- ✓ Associate Professor: 1/9/2016.
- ✓ Full Professor: 23/3/2023.

Web-Page:
http://www.philadelphia.edu.jo/academics/qhamarsheh

Academic Experience (22 years)
- 2001 - present: staff member, Philadelphia University, Jordan.
- (2023- present) Full Professor of Computer Engineering, Communication and Electronics Engineering Department, Philadelphia University, Amman– Jordan.
- (2018- 2023) Associate Professor, Communication and Electronics Engineering Department, Philadelphia University, Amman– Jordan.
- (1-9-2016- 2018) Associate Professor, Computer Engineering Department, Philadelphia University, Amman– Jordan.
- (1/9/2011- 1/9/2019) Director of the Computer Center at Philadelphia University.
- (2008- 2018) staff member, Computer Engineering Department, Philadelphia University, Amman– Jordan.
- (2001- 2007) Assistant Professor, Faculty of Information Technology, Philadelphia University, Amman– Jordan.
- (2016-2017) Member of University Council.
- (2014-2015) Member of University Council
- (2011- 2012) Member of University Council.
- (2010 - 2011) Member of Dean Council, Faculty of Engineering.

- 2007 Vice Dean of Faculty of Information Technology, Head of Management Information Systems Department, Philadelphia University, Amman– Jordan.
- 2006 Head of Management Information Systems Department.
- Member of University Council, Philadelphia University, Jordan, 2005
- 2002 Assistant of Dean, Faculty of Information Technology, Philadelphia University, Amman– Jordan.
- 2001 Assistant Professor, Department of Software Engineering, Philadelphia University, Amman– Jordan.

Research and Publications:

2023

1) **Qadri Hamarsheh,** Omar Daoud, Marwan Al-Akaidi, Ahlam Damati **"V2V Communications Performance Enhancement",** Wireless Personal Communications, Wiley, Springer nature, vol. 129, pp. 2387–2401, 2023. DOI: https://doi.org/10.1007/s11277-023-10238-1.

2) **Qadri Hamarsheh**; Mohammed Baniyounis; Rolf Biesenbach; Mohamed Jarnaz "**An Artificial Neural Network Approach in Solving Inverse Kinematics of a 6 DOF KUKA Industrial Robot",** 20th International Multi-Conference on Systems, Signals, and Devices (IEEE SSD'23) February 20–23, 2023, Mahdia, Tunisia.

3) Omar Daoud, **Qadri Hamarsheh**, and Ahlam Damati "**5G Wireless Communications Performance Enhancement-Based VANET technology**", 20th International Multi-Conference on Systems, Signals, and Devices (IEEE SSD'23) February 20–23, 2023, Mahdia, Tunisia.

2022

4) **Qadri Hamarsheh;** Omar Daoud; Mohammed Baniyounis; Ahlam Damati**, Narrowband Internet-of-Things to Enhance the Vehicular Communications Performance,** Future Internet 2023, *15*(1), 16; https://doi.org/10.3390/fi15010016

5) **Qadri Hamarsheh "Autoregressive Modeling based ECG Cardiac Arrhythmias' Database System",** International Journal of Circuits, Systems and Signal Processing, E-ISSN:1998-4464, Volume 16, 2022, Art. #130, p.1074-1083, **DOI**: 10.46300/9106.2022.16.130.

6) Omar Daoud, **Qadri Hamarsheh**, and Ahlam Damati "**5G Wireless Communications Performance Based on Multiparallel Processing Algorithm**", IEEE SSD'22, 19th International Multi-Conference on Systems, Signals & Devices, May. 06 - 10, 2022, Setif, Algeria.

7) **Qadri Hamarsheh**, Marwan Al-Akaidi, Omar Daoud, Ahlam Damati, and Mohammed Baniyounis "**Robust Vehicular Communications Using the Fast-Frequency-Hopping-OFDM Technology and the MIMO Spatial Multiplexing**", International Journal of Communication Networks and Information Security, vol. 14, no. 1,2022, pp. 19-25, .doi; https://doi.org/10.54039/ijcnis.v14i1.5216

2021

8) **Qadri Hamarsheh**, Marwan Al-Akaidi, Omar Daoud, and Ahlam Damati "**V2V BER Enhancement based on FFH-OFDM**", The 2nd International Conference on Distributed Sensing and Intelligent Systems (ICDSIS2021), Jul. 30 - 31, 2021, Hefei, China.
https://youtu.be/hYYT4T5Nxhc

9) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati "**Enhancing the LTE-based Intelligent Transportation System's Performance**", Wireless Personal Communications,

Wiley, Springer nature, vol. 117, no. 3, pp. 2637 – 2637, Apr. 2021. DOI: https://doi.org/10.1007/s11277-020-07845-7.

2020

10) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati "**Multiparallel Processing for Enhancing the V2V Clustering Performance**", International Journal of Communication Systems, Wiley, Vol. 33, Iss.14, second published on August 7th 2020.
ISSN 1074-5351, **eISSN** 1099-1131
DOI: https://doi.org/10.1002/dac.4530

11) Mokhles M. Abdulghani, ,Kasim M. Al-Aubidy *,Mohammed M. Ali and **Qadri J. Hamarsheh**, "**Wheelchair Neuro Fuzzy Control and Tracking System Based on Voice Recognition**", sensors (Special Issue Robotics, Sensors and Industry 4.0) 2020, 20(10), 2872; 19 May 2020 https://doi.org/10.3390/s20102872

12) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati "**Enhancing the Performance of OFDM Systems-Based PAPR Reduction**", Advances on Systems, Signals and Devices, (Issues on Communication, Signal Processing & Information Technologies), vol. 12, pp. 57-68, De Gruyter, 2020.
eISBN: 9783110594003. **DOI**: https://doi.org/10.1515/9783110594003-005

13) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati "**DVB-T Systems Performance Enhancement**", Advances on Systems, Signals and Devices, (Issues on Communication, Signal Processing & Information Technologies), vol. 12, pp. 37-46, De Gruyter, 2020.
eISBN: 9783110594003 **DOI**: https://doi.org/10.1515/9783110594003-003

14) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati "**Enhancing the LTE-based intelligent transportation system's performance**", Digital Signal Processing, vol. 99, Elsevier, Apr. 2020.
Article 102677, **DOI:** https://doi.org/10.1016/j.dsp.2020.102677

15) Omar Daoud, Ahlam Damati and **Qadri Hamarsheh** "**On the Parallel Processing for Wireless Sensors Converged Network**", IEEE SSD'20, 17th International Multi-Conference on Systems, Signals & Devices, Jul 23 - 26, 2020, Monastir, Tunis.

16) Omar Daoud, Ahlam Damati and **Qadri Hamarsheh** "**The Performance of the Vehicular Communication-Clustering Process**", Telkomnika (Telecommunication, Computing, Electronics and Control), vol. 18, no. 1, pp. 57-71, Feb. 2020.
DOI: http://dx.doi.org/10.12928/telkomnika.v18i1.13565.
ISSN: 1693-6930**, e-ISSN**: 2302-9293

2018

17) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati "**Orthogonal Wavelet Division Multiplexing- Comparison Study** ", IEEE SSD'18, 15th International Multi-Conference on Systems, Signals & Devices, pp. 391-395, March 19 - 22, 2018, Hammamat, Tunis

2017

18) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati "**PAPR effect remedy in OFDM-based wireless systems**", Journal of Communications Technology and Electronics, vol. 62, no. 10, pp. 1122-1129, October 2017. **DOI: 10.1134/S1064226917100011**

19) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati "**Sniffer Mobile Robot Performance Enhancement-based Averaging-Adaptive Wavelet Transform method**", Jordan Journal of Electrical Engineering (JJEE), vol. 3, no. 2, pp. 138-149, 2017.

20) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati "**Wavelet Transformation Method to allocate the DVB-T signals peaks**", International Journal of Digital Signals & Smart Systems, vol. 1, no. 1, pp. 52-68, 2017

21) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati **"Enhancing the Performance of Speaker Verifications-Based DVB-T Systems"**, IEEE SSD'17, 14th International Multi-Conference on Systems, Signals & Devices, March 28 - 31, 2017 - Marrakech, Morocco.

2016

22) **Qadri Hamarsheh**, O. R. Daoud, M. M. Ali and A. A. Damati, **"Power Peaks Allocation Based on Averaging-Adaptive Wavelet Transform"**, International Journal Of Circuits, Systems And Signal Processing, Volume 10, PP 440-447, **ISSN**: 1998-4464, 2016. PDF-Copy

23) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati **"Enhancing the Performance of OFDM Systems-Based PAPR Reduction"**, International Journal of Circuits, Systems, and Signal Processing, vol. 10, pp. 333-338, 2016. PDF-Copy
http://www.naun.org/main/NAUN/circuitssystemssignal/2016/b282005-aaj.pdf

24) **Qadri Hamarsheh**, O. R. Daoud, M. M. Ali and A. A. Damati, **"Efficiency Enhancement Based On Allocating Bizarre Peaks"**, International Journal of Wireless & Mobile Networks (IJWMN), Vol. 8, No. 4, PP 107-118, AIRCC Publishing Corporation, August 2016, India, **DOI**: **10.5121/ijwmn.2016.8407**

25) Ahlam Damati, Omar Daoud, and **Qadri Hamarsheh**, **"Enhancing the Odd Peaks Detection in OFDM Systems Using Wavelet Transforms"**, International Journal of Communications, Network and System Sciences vol. 9, no. 7, pp. 295-303, Scientific Research Publishing, July 2016, USA, **DOI**: **10.4236/ijcns.2016.97026**

26) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati, **"Wavelet Transformation method to allocate the OFDM signals peaks"**, IEEE SSD'16, 13th International Multi-Conference on Systems, Signals & Devices, March 21 – 24, 2016 – Leipzig, Germany. **DOI**: **10.1109/SSD.2016.7473667**

<= 2015

27) **Qadri Hamarsheh** and Omar Daoud, **"Enhancing DVB-H BER based OFDM systems"**; Journal of Communications technology and Electronics, Springer, © Pleiades Publishing, ISSN 1064_2269, Vol. 60, No. 8, pp. 880–889, 2015, Russia **DOI: 10.1134/S1064226915080069**

28) Omar Daoud, **Qadri Hamarsheh** and Ahlam Damati " **OFDM Systems Performance Enhancement**", IEEE SSD'15, 12th International Multi-Conference on Systems, Signals & Devices, March 16 - 19, 2015 - Mahdia, Tunisia, **DOI:10.1109/SSD.2015.7348123**

29) Omar Daoud, **Qadri Hamarsheh** and Saleh Saraireh, "**PAPR Reduction based on Entropy Wavelet Transform for Sniffer Mobile Robot**" International Journal of Electronics and Communications- AEÜ, Elsevier, **vol. 68, no. 12**, pp. 1165-1172 December 2014, **http://dx.doi.org/10.1016/j.aeue.2014.06.005**

30) **Qadri Hamarsheh**, Omar Daoud, and Saleh Saraireh, "**Wavelet Entropy Algorithm to Allocate the Extreme Power Peaks in WiMax Systems**" International Journal of interactive Mobile Technologies, Elsevier, vol. 8, no. 4, pp. 14-19, Oct. 2014, **DOI: 10.3991/ijim.v8i4.3766**

31) Omar Daoud, **Qadri Hamarsheh** and Saleh Saraireh, "**Peak Detection Using Wavelet Transform**" International Journal of Computer Networks and Communications, vol. 6, no. 4, pp. 107-114, Jun 2014.

32) Ahlam Damati, Omar Daoud, and **Qadri Hamarsheh**, " **Wavelet Transform Basis to Detect the Odd Peaks in wireless systems**", IEEE SSD'14, 11th International Multi-Conference on Systems, Signals & Devices, Feb. 11 – 14, 2014 – Barcelona, Spain.

33) Omar Daoud, **Qadri Hamarsheh** and Wael Al-Sawalmeh, "**MIMO-OFDM Systems Performance Enhancement Based Peaks Detection Algorithm**", International Journal of interactive Mobile Technologies, Elsevier, vol.7, No.3, pp.4-8, July 2013.

34) Saleh S. Saraireh, **Qadri J. Hamarsheh** and Omar Daoud, "**OFDM Peak Detection Algorithm based on Wavelet Transform**", European Journal of Scientific Research, vol.101, no.2, pp. 284-291, May 2013.

35) Omar Daoud, **Qadri Hamarsheh** and Wael Al-Sawalmeh, "**Enhancing the BER of MIMO-OFDM Systems for Speaker Verification**", IEEE SSD'13, 10th International Multi-Conference on Systems, Signals & Devices, March 18 – 21, 2013 – Hammamet, Tunisia.

36) Omar Daoud, **Qadri Hamarsheh** and Wael Al-Sawalmeh, "**Speaker Verification over MIMO-OFDM Systems based on Artificial Intelligence Techniques**", International Journal of Computer and Communications, vol. 6, no. 4, pp.191-201. Dec. 2012.

37) **Hamarsheh Qadri**, "**Unified Matrix Processor Design for FCT-Based Filtering, Convolution and Correlation of Signals**", The Second International Conference on Digital Information and Communication Technology and its Applications (DICTAP 2012), Bangkok, Thailand, May 16-18, 2012, p. 293-299.

38) **Hamarsheh Qadri,** "**Wireless Gateway Programming Model**", VIth International Conference MEMSTECH' 2010, "Perspective Technologies and Methods in MEMS Design". – Polyana, Ukraine. -2010. - PP. 197-202.

39) **Hamarsheh Qadri**, "**FCT-Based Convolution, Filtering and Correlation of Signals' Unified Structure**", 9th International Business Information Management Association Conference**,** Information Management in Modern Organizations: Trends & Challenges - Marrakech, Morocco, - 2008. - PP 972-979.

40) **Hamarsheh Qadri**, "**Unified Matrix Processor Design for FCT-IV and FST-IV Hartley Based Transforms**", MEMSTECH 2006, "Perspective Technologies and Methods in MEMS Design". – Polyana, Ukraine. -2006. - PP. 151-156, **DOI: 10.1109/memstech.2006.288687**

41) **Al-Hamarsheh Q.J,** Jacymirski M.N, "**Fast Algorithm for one dimensional Cosine and Sine Transforms**", Kharkov State Polytechnic University, System Analysis, Control and Information Technologies. – Kharkov.-2000. - 97 – PP100-105.

42) **Al-Hamarsheh, Q.J**, Jacymirski M.N, "**Filtration and Correlation of Signals on the Base of Fast Algorithms of Cosine Transform**", Technical News. Lviv-2000. - 1(10), 2(11). - PP.92-96.

43) Ivan Moroz, **Al-Hamarsheh Q.J.**, "**Fast Algorithms' Implementation of one/two-dimensional Orthogonal Trigonometric Transform with the TMS320 Digital Signal Processor**", Proceeding of International Conference on Modern Problems of Telecommunications, Computer Science and Engineers Training. -Lviv-Slavsko, Ukraine. - 2000. - PP. 116-117.

44) Jacymirski M.N, **Al-Hamarsheh Q.J**, "**Synthesis of Fast Algorithms for Discrete Symmetric Cosine and Sine Transforms**", 5th International Scientific and Technical Conference «Experience of Development and CAD (Computer-Aided Design) Application into Microelectronics. - Lviv. - 1999. - PP. 147-148.

45) Jacymirski M.N, Ivan Moroz, **Al-Hamarsheh Q.J**, "**Synthesis of Fast Algorithms for one/two-dimension Cosine and Sine Transforms**", "Calculations Theory ": Ukraine NAS, Institute of Cybernetics name by Glushkova V.M., Kiev, 1999.- PP. 396-400.

46) Jacymirski M.N, Ivan Moroz, **Al-Hamarsheh Q.J,** "**Synthesis of Fast Algorithms for one/two-dimension Shifted Cosine and Sine Transforms**", International Scientific and Technical Conference «Information Systems and Technologies». - Lviv. -1999. - PP. 27-30.

47) **Al-Hamarsheh Q.J**, Jacymirski M.N, "**Fast Algorithms of Direct and Inverse Discrete Sine Transform**", Technical News. Lviv -1999. - 1(8), 2(9). - PP. 37-40.

48) **Al-Hamarsheh Q.J**, Jacymirski M.N, "**Fast Algorithms of Indirect Calculation of Cosine and Sine Transforms (DCT-II and DST-II)**", State University "Lvivska Polytechnika ". Computer Engineering and Information Technologies. - Lviv. -1999. - 370 - PP. 111-116.

49) Jacymirski M.N, **Al-Hamarsheh Q.J**, Ivan Moroz, "**Synthesis of Shifted Fast Algorithms for one/two-dimension Cosine and Sine Transforms**", State University "Lvivska Polytechnika ". Computer Engineering and Information Technologies. - Lviv. -1999. - 380 - PP. 130-136.

50) Jacymirski M.N, **Al-Hamarsheh Q.J**, "**Synthesis of Fast Algorithms for Sine Transforms**", State University "Lvivska Polytechnika ". Computer Systems and Networks. - Lviv. -1998. - 350 -PP. 90-93.

51) **Al-Hamarsheh Q.J**, Jacymirski M.N, "**Fast Calculation of Symmetric Cosine and Sine Transforms**", Collection of Scientific Works. Modeling Problems Institute in Energetic. - Kiev. -1998. – Issue. 4. -PP. 169-174.

52) Jacymirski M.N, **Al-Hamarsheh Q.J**, "**Fast Algorithms' Calculation of Cosine/Sine Transforms for Systolic Structures**", Information Technologies and Systems. Lviv -1998. - 1/2. - PP. 190-194.

53) Galembo V.A, Bura A.T, **Al-Hamarsheh Q.J,** "**Investigation of logic algebra' two-variables functions and their properties**", Scientific and Technical Conference, Kishinev , 1989, P. 28.

Research Areas:
- Machine Learning
- Digital Signal Processing (DSP).
- Digital Image and Speech Processing.
- Object-Oriented Technology and Programming Languages.
- Internet Technology and Web Design.
- Wireless Programming.
- Electronic Commerce.

Teaching Activity:
- Intelligent Systems Design
- Machine Intelligence
- Signal Analysis and Processing
- Probability and Random Variables
- Digital Signal Processing (DSP).
- Digital Image Processing (DIP).
- Neural Networks and Fuzzy Logic.
- MATLAB Programming Language.
- Special Topics (Wireless Programming: WML Language, Wireless Internet and Microsoft Mobile Toolkit).

- Microprocessor Programming, Microprocessor Interfacing.
- Logic Circuits.
- Special Topics (Advanced Web Programming using ASP.NET and ADO.NET Technologies).
- Visual C++ Programming.
- Data Structures and Algorithms.
- C# Programming with Microsoft® .NET (Windows Applications).
- Client/Server Scripting: VBScript, JavaScript, ADO and ASP.
- Electronic Commerce.
- C# Programming with Microsoft® .NET (Mobile Applications).
- C# Programming with Microsoft® .NET (Console Applications).
- C++ Programming Language (Object Oriented Programming).
- Introduction to Programming & C++ Language.
- Internet and World Wide Web Design: HTML, CSS, XML
- Programming for Web
- Supervision of many Graduation Projects.
- supervisor for the following engineering laboratories
  - C++ Programming Language Lab.
  - Logic Circuits Lab.
  - Microprocessor Lab.

Part-time Lecturing:
Al-Hussein Technical University, 15/10/2022 until 15/02/2023 (End of the Semester)
Teaching, Signals and Systems.

Training Activity:
- Higher Education Policy Dialogue – Online Teaching & Learning: Forward-Looking & Forward Thinking, The British Council and the Ministry of Higher Education and Scientific Research. 26th May 2021
- Professional Training Program –Level FT1901, Deanship of Development and Distance Learning - Philadelphia University, 2019.
- The Ninth Conference of Scientific Research in Jordan, Jordan Society for Scientific Research, Entrepreneurship, and Creativity (JSSREC) and Jordan University, 09/11/2019.
- Jordan's Research Priorities and Quality Agenda, Scientific Research Support Fund, Ministry of Higher Education and Scientific Research, Clarivate Analytics - Jordan University, September 18, 2019.
- Professional Training Program –Level FT1801, Deanship of Development and Distance Learning - Philadelphia University, 2018.
- Wavelet based applications, The Higher Council for Science and Technology, 2017.
- Leadership and management skills course, Ottawa Human Development Training Center (**OHDTC**), 6-9-2016.
- Outcomes-based Curriculum Design and Implementation workshop at Philadelphia University organized by Al-Hussein Fund for Excellence, held on 17-18/05/2010.
- Developing Windows Applications using C#.Net , Microsoft Corporation / Jordan.

Master Thesis Supervision (Co-Supervisor)

- Mohamed Jarnaz, An Artificial Neural Network Approach in Solving Inverse Kinematics of a 6 DOF KUKA Industrial Robot, Mechatronics Engineering Department, TEMPUS-JIM2L Master Program, Philadelphia University, June 2022.

Master Thesis Defense Committee

- Anas Ali Alkom and Prof. Tarek A. Tutunjii and Prof. Mohammed Bani Younis, "UGV Navigation and Tracking of Dynamic Trager Using Neural Networks , Mechatronics Engineering Department, Philadelphia University.
- Hana Al-Momani and Prof. Kasim Al-Aubidy, "**Intelligent Scheduling of Mobile Robots in Flexible Manufacturing Systems**" Mechatronics Engineering Department, Philadelphia University, 9th of Jan. 2020.
- Mustafa Jebur and Dr. Mohammed Mahdi Ali, "**Safe Navigation And Target Recognition For A Mobile Robot Using Neural Networks**", Department of Mechatronics Engineering, Philadelphia University, 2017.

Training Experience:

- **Moodle LMS (Workshop: Outcomes and Scales in Moodle LMS E-Learning Portal)** at Philadelphia University, for staff members. Deanship of Development and Distance Learning - Philadelphia University –March 2023.
- **H5P Interactive Contents (Workshop)** Professional Training Program –2022, Deanship of Development and Distance Learning - Philadelphia University, for staff members.–04/11/2021-30/12/2021 (7 hours).
- **Moodle LMS (Workshop)** Professional Training Program –2022, Deanship of Development and Distance Learning - Philadelphia University, for staff members.–12/9/2021-5/10/2021 (10 hours).
- **iSpring Suite Authoring Tool for Moodle LMS (Workshop)** Professional Training Program –Level FT1901, Deanship of Development and Distance Learning - Philadelphia University, for staff members.–September 10th 2020.
- **Moodle LMS (Workshop)** at Philadelphia University, for staff members. Deanship of Development and Distance Learning - Philadelphia University –March 2020.
- **MATLAB** training courses at Philadelphia University, for staff members. Deanship of Development and Distance Learning - Philadelphia University –September 2019.
- **MATLAB** training courses at Philadelphia University, for students. Faculty of Engineering and Technology- Philadelphia University 01/12/2019- 05/01 2020.
- Electronic Portals at Philadelphia University- Professional Training Program –Level FT1801 , Deanship of Development and Distance Learning - Philadelphia University –October 10th , 2018.
- MATLAB training courses at Philadelphia University, Faculty of Engineering: 2010 for staff members and students.

Cultural, and Academic activities:

1) Scientific Committee (CSP) - SSD'23 Member, IEEE SSD'23 conference, 20th International Multi-Conference on Systems, Signals & Devices, 2023, Mahdia, Tunisia.
2) Peer Reviewer of the ICCRESA-2022 , 4th International Conference on Current Research Engineering and Science Applications 2022.
3) Peer Reviewer of the Fourth International Conference: Smart Learning (ICSL2022), 2022.

4) Peer Reviewer of the 4th International Conference on Advanced Science and Engineering (ICOASE), 2022.
5) Scientific Committee (CSP) - SSD 2022 Member, IEEE SSD-2022 conference, 19th International Multi-Conference on Systems, Signals & Devices, 2022.
6) Peer Reviewer of the IEEE SSD'21, 18th International Multi-Conference on Systems, Signals & Devices, 2021.
7) Peer Reviewer of the IEEE SSD'20, 17th International Multi-Conference on Systems, Signals & Devices, 2020.
8) Peer Reviewer of the International Journal of Sensors, Wireless Communications and Control (SWCC-MS), Volume 9, 4 Issues, 2019.
9) Peer Reviewer of the IEEE SSD'19, 16th International Multi-Conference on Systems, Signals & Devices, 2019.
10) Peer Reviewer of the IEEE SSD'18, 15th International Multi-Conference on Systems, Signals & Devices.
11) Peer Reviewer of the International Journal of Electronics and Communications, Elsevier 2017.
12) Peer Reviewer of the IEEE NTICT 2017, Iraq.
13) Peer Reviewer of the IEEE SSD'17, 14th International Multi-Conference on Systems, Signals & Devices.
14) Peer Reviewer of the Jordan Journal of Electrical Engineering (JJEE), Jordan 2016.
15) Peer Reviewer of the IEEE SSD'16, 13th International Multi-Conference on Systems, Signals & Devices.
16) Peer Reviewer of the Jordan Journal of Electrical Engineering (JJEE), Jordan 2015.
17) Peer Reviewer of the IEEE SSD'15, 12th International Multi-Conference on Systems, Signals & Devices.
18) Peer Reviewer of the 8th National Technology Parade, Jordan 2015.
19) Member of program committee IEEE SSD'15, 12th International Multi-Conference on Systems, Signals & Devices, March 16 - 19, 2015 - Mahdia, Tunisia
20) Peer Reviewer of the 7th National Technology Parade, Jordan 2014.
21) Peer Reviewer of the Second International Conference on Digital Information and Communication Technology and its Applications (DICTAP 2012, May 16-18, 2012, Bangkok, Thailand.
22) Peer Reviewer of the 2011 IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (AEECT), 6-8 December 2011, The University of Jordan, Amman, Jordan.
23) Peer Reviewer of the Fourth IEEE International Symposium on Innovation in Information & Communication Technology (ISIICT 2011) November 29-December 1, 2011, Philadelphia University, Amman Jordan
24) Peer Reviewer of International Conference on Digital Information and Communication Technology and its Applications (DICTAP2011), Dijon, France, June 21-23, 2011.
25) Member of organizing program committee of the seventh IEEE International Multi-Conference on Systems, Signals and Devices, 27-29 June, 2010 Amman, Jordan.
26) Peer Reviewer of First International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2008), Co-Sponsored by IEEE, VSB-Technical University of Ostrava, Czech Republic, August 4 - 6 2008.
27) Organization Committee Member of ACS/IEEE International Conference on Computer Systems and Applications, AICCSA '2007, May 13-16, 2007, Amman, Jordan, sponsored by IEEE Computer Society, Arab Computer Society and Philadelphia University, Jordan.

28) Peer Reviewer of the 4th International Multi-conference on Computer Science and Information Technology, Applied Science Private University, Amman Jordan , 5th – 7th, April 2006.

29) Peer Reviewer of IEEE International Conference on Digital Information Management (ICDIM), December 06-08, 2006, Christ College, Bangalore, India and other Journal and Conference Papers.

30) Organization Committee Member for ISIICT 2002, 2004 Conferences, Philadelphia University.

31) Reviewer for many projects presented to the incubators of the Jordan Innovation Center (Philadelphia University).

32) The representative of the Faculty of Engineering and Technology in Development and Distance Learning Council, Philadelphia University, 2019.

33) Participated in the various Curriculum developments for MIS, ACS Departments.

34) Participated in different Committees at department, faculty and university levels such as Website and Social Media committee, study plan committee, scientific committee, training committee, quality assurance committee, graduation projects committee and student regulation committee for two academic years at university level and others.

35) Supervision of many Graduation Projects.

36) Quality Assurance Officer for Faculty of Information Technology, Philadelphia University.

37) Extensive laboratory development.

38) Introduced several new courses.

39) Participation in the workshop "Outcomes-based Curriculum Design and Implementation" organized by Al-Hussein Fund for Excellence and Philadelphia University (Certificate).

Awards and Merits:

- **Best Paper Award in the IEEE SSD'23 CSP - 2nd Place**, 20th International Multi-Conference on Systems, Signals, and Devices (IEEE SSD'23) February 20–23, 2023, Mahdia, Tunisia, for the work entitled "**An Artificial Neural Network Approach in Solving Inverse Kinematics of a 6 DOF KUKA Industrial Robot**".

- **Best Paper Award in the IEEE SSD'23 SAC – 3rd Place**, 20th International Multi-Conference on Systems, Signals, and Devices (IEEE SSD'23) February 20–23, 2023, Mahdia, Tunisia, , for the work entitled "**5G Wireless Communications Performance Enhancement-Based VANET technology**".

- **Best Paper Award in the IEEE SSD'20 CSP - 2nd Place**, 17th International Multi-Conference on Systems, Signals and Devices (SSD'20), March 23 - 26, 2020, Monastir, Tunis, for the work entitled "**On the Parallel Processing for Wireless Sensors Converged Network**".

- **Quality Assurance Recognition Award** from Al-Hussein Funding for Excellence, 2003

Professionals Affiliations:

Member of Jordanian Engineering Association (JEA)