

Curriculum Vitae.....

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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.

Web-Page:

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Experience:**2001 - Up-to-date: staff member, Philadelphia University, Jordan:**

- (1-9-2016- up-to-date) Associate Professor, Computer Engineering Department, Philadelphia University, Amman– Jordan.
- (2011- up-to-date) Director of the Computer Center at Philadelphia University.
- (2008- up-to-date) staff member, Computer Engineering Department, Philadelphia University, Amman– Jordan.
- (2001- 2007) Assistant Professor, Faculty of Information Technology, Philadelphia University, Amman– Jordan.
- (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:

1. Omar Daoud, *Qadri Hamarsheh* and Ahlam Damati “**Enhancing the Performance of OFDM Systems-Based PAPR Reduction**”, Accepted to be published in Advances on Systems, Signals and Devices, published by De Gruyter, Germany, 2016.
2. *O. J. 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, DOI: 10.5121/ijwmn.2016.8407, August 2016, India.
3. 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 09(07):295-303, Scientific Research Publishing, DOI: 10.4236/ijcns.2016.97026 · July 2016, USA.
4. 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.
5. *Qadri Hamarsheh* and Omar Daoud, “**Enhancing DVB-H BER based OFDM systems**”; Journal of Communications technology and Electronics, © Pleiades Publishing, ISSN 1064_2269, Vol. 60, No. 8, pp. 880–889., 2015
6. 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.
7. 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.
8. *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, vol. 8, no. 4, pp. 14-19, Oct. 2014.
9. 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.
10. 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.
11. Omar Daoud, *Qadri Hamarsheh* and Wael Al-Sawalmeh, “**MIMO-OFDM Systems Performance Enhancement Based Peaks Detection Algorithm**”, International Journal of interactive Mobile Technologies, vol.7, No.3, pp.4-8, July 2013.
12. 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.
13. 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.

14. 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.
15. 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.
16. Hamarsheh Qadri, "Wireless Gateway Programming Model", VIth International Conference MEMSTECH' 2010, "Perspective Technologies and Methods in MEMS Design". – Polyana, Ukraine. -2010. - PP. 197-202.
17. 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.
18. 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.
19. Al-Hamarsheh O.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.
20. Al-Hamarsheh, O.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.
21. Ivan Moroz, Al-Hamarsheh O.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.
22. Jacymirski M.N, Al-Hamarsheh O.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.
23. Jacymirski M.N, Ivan Moroz, Al-Hamarsheh O.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.
24. Jacymirski M.N, Ivan Moroz, Al-Hamarsheh O.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.
25. Al-Hamarsheh O.J., Jacymirski M.N, "Fast Algorithms of Direct and Inverse Discrete Sine Transform", Technical News. Lviv -1999. - 1(8), 2(9). - PP. 37-40.
26. Al-Hamarsheh O.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.
27. Jacymirski M.N, Al-Hamarsheh O.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.

28. Jacymirski M.N, Al-Hamarsheh O.J, "Synthesis of Fast Algorithms for Sine Transforms", State University "Lvivska Polytechnika ". Computer Systems and Networks. - Lviv. -1998. - 350 -PP. 90-93.
29. Al-Hamarsheh O.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.
30. Jacymirski M.N, Al-Hamarsheh O.J, "Fast Algorithms' Calculation of Cosine/Sine Transforms for Systolic Structures", Information Technologies and Systems. Lviv - 1998. - 1/2. - PP. 190-194.
31. Galembo V.A, Bura A.T, Al-Hamarsheh O.J, "Investigation of logic algebra' two-variables functions and their properties", Scientific and Technical Conference, Kishinev , 1989, P. 28.

Research Areas:

- 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:

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

Training Activity:

- ✚ Outcomes-based Curriculum Design and Implementation workshop at Philadelphia University organized by Al-Hussein Fund for Excellence, held on 17-18/05/2010.

Training Experience:

- ✚ MATLAB training courses at Philadelphia University, Faculty of Engineering: 2010 for staff members and students.

Cultural, and Academic activities:

1. Member of program committee IEEE SSD'15, 12th International Multi-Conference on Systems, Signals & Devices, March 16 - 19, 2015 - Mahdia, Tunisia
2. Member of organizing program committee of the seventh IEEE International Multi-Conference on Systems, Signals and Devices, 27-29 June, 2010 Amman, Jordan.
3. 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.
4. Organization Committee Member for ISIICT 2002, 2004 Conferences, Philadelphia University.
5. Peer Reviewer of the Jordan Journal of Electrical Engineering (JJEE), Jordan 2016.
6. Peer Reviewer of the IEEE SSD'16, 13th International Multi-Conference on Systems, Signals & Devices.
7. Peer Reviewer of the Jordan Journal of Electrical Engineering (JJEE), Jordan 2015.
8. Peer Reviewer of the IEEE SSD'15, 12th International Multi-Conference on Systems, Signals & Devices.
9. Peer Reviewer of the 8th National Technology Parade, Jordan 2015.
10. Peer Reviewer of the 7th National Technology Parade, Jordan 2014.
11. Peer Reviewer of the Second International Conference on Digital Information and Communication Technology and its Applications (DICTAP 2012, May 16-18, 2012, Bangkok, Thailand.
12. 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.
13. 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
14. Peer Reviewer of International Conference on Digital Information and Communication Technology and its Applications (DICTAP2011), Dijon, France, June 21-23, 2011.
15. 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.
16. Peer Reviewer of the 4th International Multi-conference on Computer Science and Information Technology, Applied Science Private University, Amman Jordan , 5th – 7th, April 2006.

17. 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.
18. Reviewer for many projects presented to the incubators of the Jordan Innovation Center (Philadelphia University).
19. Participated in the various Curriculum developments for MIS, ACS Departments.
20. Participated in different Committees at department, faculty and university levels such as 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.
21. Supervision of many Graduation Projects.
22. Quality Assurance Officer for Faculty of Information Technology, Philadelphia University.
23. Extensive laboratory development.
24. Introduced several new courses.
25. Participation in the workshop “Outcomes-based Curriculum Design and Implementation” organized by Al-Hussein Fund for Excellence and Philadelphia University (Certificate).

Awards and Merits:

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

Professionals Affiliations:

Member of Jordanian Engineering Association (JEA)