

## Curriculum Vitae



### **Name: Qadri Jamal Hamarsheh**

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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.

### **Experience:**

#### **2001 - Up-to-date: Assistant Professor, Philadelphia University, Jordan:**

- (2008- up-to-date) Assistant Professor, Computer Engineering Department, Philadelphia University, Amman– Jordan.
- (2011- up-to-date) Director of the Computer Center at Philadelphia University.
- (2011- up-to-date) 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.

### **Publications:**

1. "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.

2. "Fast Algorithm for one dimensional Cosine and Sine Transforms", Al-Hamarsheh Q.J, Jacymirski M.N, Kharkov State Polytechnic University, System Analysis, Control and Information Technologies. – Kharkov.-2000. - 97 – PP100-105.
3. "Filtration and Correlation of Signals on the Base of Fast Algorithms of Cosine Transform", Al-Hamarsheh, Q.J, Jacymirski M.N, Technical News. Lviv-2000. - 1(10), 2(11). - PP.92-96.
4. "Fast Algorithms of Direct and Inverse Discrete Sine Transform", Al-Hamarsheh Q.J, Jacymirski M.N, Technical News. Lviv -1999. - 1(8), 2(9). - PP. 37-40.
5. "Fast Algorithms of Indirect Calculation of Cosine and Sine Transforms (DCT-II and DST-II)", Al-Hamarsheh Q.J, Jacymirski M.N, State University "Lvivska Polytechnika ". Computer Engineering and Information Technologies. - Lviv. -1999. - 370 - PP. 111-116.
6. "Synthesis of Shifted Fast Algorithms for one/two-dimension Cosine and Sine Transforms", Jacymirski M.N, Al-Hamarsheh Q.J, Ivan Moroz, State University "Lvivska Polytechnika ". Computer Engineering and Information Technologies. - Lviv. -1999. - 380 - PP. 130-136.
7. "Synthesis of Fast Algorithms for Sine Transforms", Jacymirski M.N, Al-Hamarsheh Q.J, State University "Lvivska Polytechnika ". Computer Systems and Networks. - Lviv. -1998. - 350 -PP. 90-93.

### **Conferences, Symposiums, Seminars & Workshops:**

More than 10 Conferences, Symposiums, Seminars & Workshops

1. "Wireless Gateway Programming Model", VI<sup>th</sup> International Conference MEMSTECH' 2010, "Perspective Technologies and Methods in MEMS Design". – Polyana, Ukraine. -2010. - PP. 197-202.
2. "FCT-Based Convolution, Filtering and Correlation of Signals' Unified Structure", 9<sup>th</sup> International Business Information Management Association Conference, Information Management in Modern Organizations: Trends & Challenges - Marrakech, Morocco, - 2008. - PP 972-979
3. "Fast Algorithms' Implementation of one/two-dimensional Orthogonal Trigonometric Transform with the TMS320 Digital Signal Processor", Ivan Moroz, Al-Hamarsheh Q.J, Proceeding of International Conference on Modern Problems of Telecommunications, Computer Science and Engineers Training. -Lviv-Slavsko, Ukraine. - 2000. - PP. 116-117.
4. "Synthesis of Fast Algorithms for Discrete Symmetric Cosine and Sine Transforms ", Jacymirski M.N, Al-Hamarsheh Q.J, 5th International Scientific and Technical Conference «Experience of Development and CAD (Computer-Aided Design) Application into Microelectronics. - Lviv. - 1999. - PP. 147-148.
5. "Synthesis of Fast Algorithms for one/two-dimension Cosine and Sine Transforms ", Jacymirski M.N, Ivan Moroz, Al-Hamarsheh Q.J, "Calculations Theory ": Ukraine NAS, Institute of Cybernetics name by Glushkova V.M., Kiev, 1999.- PP. 396-400.
6. "Synthesis of Fast Algorithms for one/two-dimension Shifted Cosine and Sine Transforms", Jacymirski M.N, Ivan Moroz, Al-Hamarsheh

- Q.J, International Scientific and Technical Conference «Information Systems and Technologies». - Lviv. -1999. - PP. 27-30.
7. "Fast Calculation of Symmetric Cosine and Sine Transforms", Al-Hamarsheh Q.J, Jacymirski M.N, Collection of Scientific Works. Modeling Problems Institute in Energetic. - Kiev. -1998. – Issue. 4. - PP. 169-174.
  8. "Fast Algorithms' Calculation of Cosine/Sine Transforms for Systolic Structures", Jacymirski M.N, Al-Hamarsheh Q.J, Information Technologies and Systems. Lviv -1998. - 1/2. - PP. 190-194.
  9. “Investigation of logic algebra’ two-variables functions and their properties”, Galembo V.A, Bura A.T, Al-Hamarsheh Q.J, 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).
- ✚ 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.

### **Training Activity**

- ✚ MATLAB training course at Philadelphia University, Faculty of Engineering: 2010.

### **Cultural, and Academic activities**

1. Member of organizing program committee of the seventh IEEE International Multi-Conference on Systems, Signals and Devices, 27-29 June, 2010 Amman, Jordan.

2. 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.
3. Organization Committee Member for ISIICT 2002, 2004 Conferences, Philadelphia University.
4. 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.
5. 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
6. Peer Reviewer of International Conference on Digital Information and Communication Technology and its Applications (DICTAP2011), Dijon, France, June 21-23, 2011.
7. 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.
8. Peer Reviewer of the 4th International Multi-conference on Computer Science and Information Technology, Applied Science Private University, Amman Jordan , 5th – 7th, April 2006.
9. 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.
10. Participated in the various Curriculum developments for MIS, ACS Departments.
11. Participated in different Committees at department, faculty and university levels such as study plan committee, training committee, quality assurance committee, student regulation committee for two academic years at university level and others.
12. Supervision of many Graduation Projects.
13. Quality Assurance Officer for Faculty of Information Technology, Philadelphia University.
14. Extensive laboratory development.
15. Introduced several new courses.
16. Participation in the workshop “Outcomes-based Curriculum Design and Implementation” organized by Al-Hussein Fund for Excellence and Philadelphia University (Certificate).
17. Reviewer for many projects presented to the incubators of the Jordan Innovation Center (Philadelphia University).

**Awards & Merits:**

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

**Professionals Affiliations:**

Member of the "Jordan Engineering Association"