

*Curriculum Vitae*  
***Qasem Kharma***  
*Email: qasem.kharma@gmail.com*  
*Tel ++966 54 61 98 987*

**Education**

***Florida International University***

Doctoral in Computer Science

Dissertation: “Enhanced Skip-List Search Algorithm in 3-Layer Mediator Framework”

Ph.D. Advisor: Dr. Raimund K. Ege

***Miami, Florida***

August 2005

***Florida International University***

Master of Science in Computer Science

Related Programming Projects:

Image Processing using Java

Petri Net Editor using Java

***Miami, Florida***

April 2003

***Arab Academy for Banking and Financial Sciences***

Master of Science in banking and financial studies

Concentration in Information Systems

Project title: “Automated Accounting System and Financial Analysis for multi companies and multi currencies”

Second of the Class

***Amman, Jordan***

September 1998

***Applied Science University***

B.Sc. in Computer Information Systems

***Amman, Jordan***

March, 1996

**Publication**

- Hasan Omar Al-Sakran, Qasem Kharma, Irina Serguievskaja, Agent Based Framework Architecture for Supporting Content Adaptation for Mobile Government, iJIM: International Journal of Interactive Mobile Technologies, Volume 7, No. 1, 2013.
- Qasem Kharma, Enhanced Skip-List Search Algorithm in 3-Layer Mediator Framework: General Mediation Framework for Disjoined Distributed Databases, LAP LAMBERT Academic Publishing, 2011
- Qasem Kharma and Mohammad Hassan, Adaptive Mediation Architecture for Mobile- Government Framework, IJJ: The Research Bulletin of JORDAN ACM – ISWSA, Volume 1, No. 4, December 2010
- Hassan Mohammad, Qasem Kharma and Mohammad Nizar, Towards the Next Generation of E-government: M-government, International Arab Conference of e-Technology, Kuwait, March 30-31, 2010

- Qasem Kharma, Raimund Ege, Said Abu Shear, E-Chord: Keyword-Based Search Algorithm Based on DHT in Mediation Architecture, Journal of Computer Science INFOCOMP, VOLUME 6, NO. 2, JUNE 2007.
- Qasem Kharma, E-Chord: Enhanced Chord-like Algorithm in Mediation Architecture, The 4th International Multiconference on Computer Science and Information Technology CSIT 2006, Amman, Jordan, April 5-7 2006.
- Qasem Kharma, Raimund K. Ege, Onyeka Ezenwoye, Li Yang, Data Integration in a Three-Layer Mediation Framework, IEEE SoutheastCon 2005 Conference, Ft. Lauderdale, Florida, April 8-10 2005.
- Onyeka Ezenwoye, Raimund K. Ege, Qasem Kharma, Shakil Siddique, Electing a Global Mediator in a Three-Layer Mediator, IEEE SoutheastCon 2005 Conference, Ft. Lauderdale, Florida, April 8-10 2005.
- Li Yang, Raimund K. Ege, Onyeka Ezenwoye, Qasem Kharma, A Role-Based Access Control Model for Information Mediation, The 2004 IEEE International Conference on Information Reuse and Integration (IRI 2004), Las Vegas, NV USA, November 8-10, 2004, pp 277-282.
- Onyeka Ezenwoye, Raimund K. Ege, Li Yang and Qasem Kharma, A Mediation Framework for Multimedia Delivery, Third International Conference on Mobile and Ubiquitous Multimedia (MUM2004) ACM Digital Library, College Park, Maryland, U.S.A., October 2004.
- Qasem Kharma, Raimund K.Ege, The Impact of Using DHT in 3-layered Mediator Framework, International Conference on Telecomputing and Information Technology (ICTIT), Amman, Jordan, September, 2004.
- Raimund K. Ege, Li Yang, Qasem Kharma, Xudong Ni, Three-layered Mediator Architecture based on DHT, International Symposium on Parallel Architectures, Algorithms, and Networks (I-SPAN), IEEE Computer Society Press, Hong Kong, May, 2004.

### **Teaching Experience**

#### ***University Teaching Experience***

- E-business strategy (MIS 517) (graduate-level course), King Saud University
- E-Business Fundamentals (MIS503) (graduate-level course), King Saud University
- Advance Systems Analysis and Design (MIS 531) (graduate-level course), King Saud University
- Advance Database (MIS 321 ), King Saud University
- Advance Systems Analysis and Design (MIS 323), King Saud University
- Project Management in IT (MIS460), King Saud University
- Information System Analysis and Design (MIS215), King Saud University
- Database (MIS213), King Saud University
- Software Testing, Depaul University
- Software Validation and Verification, Al-Ahliyya Amman University
- Systems Analysis and Design, Al-Ahliyya Amman University
- Requirements Engineering, Al-Ahliyya Amman University
- Programming in Java, Al-Ahliyya Amman University

- Software Design and Development Project (CEN 4015), Florida International University
- Software Design and Development Project (CEN 4015), Florida International University
- Intro to Microcomputer Applications for Business (GCS 2100L), Florida International University
- Introduction to MicroComputer Lab (GCS 2060L), Florida International University
- Special Topics, lectures developed and taught as substitute lecturer, Arab Academy for banking and financial sciences
- Advance Topics in Databases, lectures developed and taught as substitute lecturer, Arab Academy for banking and financial sciences

#### ***Industrial Tutorials developed and taught***

- Building Database using Oracle 7, Arab Academy for banking and financial sciences , Training Institute, December 1997

#### **Teaching Interests**

- |                              |                       |
|------------------------------|-----------------------|
| • Distributed Systems        | • Software Testing    |
| • Software Engineering       | • Databases           |
| • Software Management        | • Networking          |
| • Software Security          | • Information Systems |
| • System Analysis and Design | • Project Management  |

#### **Scientific Seminars and presentation**

- International Conference on Telecomputing and Information Technology (ICTIT), Amman, Jordan, September, 2004
- The Second Scientific Seminar for Computer Science and Applications, Applied science University, “Mapping Object-Oriented Design into RDBMS”, Amman, Jordan, 21-22 Sept. 1998
- The First Student Creative Seminar “ Computer Technology And Applications in Different Life Fields”, “Applying security, auditing, and accounting application”, Jordan University, 1-3 Sept. 1998

### **Research Interests**

- Distributed Systems
- Heterogeneous data sources integration
- Software Security
- Software Testing
- Formal Methods
- E-Learning strategy and developing framework
- E-government

### **Professional Experience**

#### ***King Saud University***

Assistant Professor

September 2009 to the present

- A faculty member in the department of Management Information Systems: teaching undergraduate and graduate courses

#### ***Al-Ahliyya Amman University***

Assistant Professor

September 2005 to August 2009

- A faculty member in the department of Computer Information Systems: teaching undergraduate courses
- Participate in the following committees:
  - Learning Enhancement
  - The University Automation
  - Developing Software Engineering Program
  - ACM Student Club Advisor
- Director of Dr. Ahhmed Al-Huorani e-Learning Center of Excellence.
  - Manage the center activities from September 2006 to April 2008

#### ***Florida International University***

Graduate Assistant,

January 2003 to August 2005

- Teaching assistant: duties including laboratory assistant, grading, guiding students in their projects
- Research assistant in Secure System Architecture: duties including investigating SIP, distributed search algorithm, mediation, and software testing

#### ***Business Soft Co.***

Programmer and System Analyst

November 1998 to December 1999

- Requirement gathering and analysis
- System design: designing class diagrams and flowcharts
- Task distribution: assigning programming task to database administrators and programmers

***Business Soft Co.***

Oracle Programmer

January 1996 to May 1996

- Designing Forms: designing screen layouts and reports
- Coding PL/SQL: programming assigned task and sending it to the team leader
- Unit testing: testing forms and reported coded by other programmers

***Training Courses***

- Effective Selling Skills, Meirc Training & Consulting, Jeddah, Saudi Arabia, April 1999.
- Administrating core technologies of Windows NT Server 4.0 , Arab Academy for banking and finical sciences, Amman, Jordan, April 1998
- Computer Network essentials ( LAN), Arab Academy for banking and financial sciences, Amman, Jordan, March 1998
- Oracle Designer 2000 tools And Workshop, ITCC, Amman , Jordan , March 1997
- Computer Information System Security, Arab Academy for banking and financial sciences, Amman, October 1996
- Oracle Developer 2000( Report 2.5) , ITCC, Amman , Jordan , October 1995
- Oracle Developer 2000( Forms 4.5) , ITCC, Amman , Jordan , October 1995
- Oracle 7 Database Administration, ITCC, Amman , Jordan , August 1995
- Oracle Advanced Application Building (Forms 3.0) , ITCC, Amman , Jordan , August 1995
- Oracle RDBMS, ITCC, Amman , Jordan , August 1995

***Professional Certificates***

- Oracle Certified Application Developer, Oracle Developer release 2, February 2001
- Oracle Certified Internet Application Developer, Oracle Developer release 6/6i, February 2001
- Passing CISA, Certified Information System Auditing, June 2000 exam