

Hasan Al -Sakran
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King Saud University
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EDUCATION:

Doctor of Science (D.Sc.) with a concentration area in Computer Information Systems.

Dissertation thesis: “Design of a Text Searching Technique to Support DBMS facilities”, The George Washington University, Washington, DC, (1992).

Applied Scientist in Computer Systems with a concentration area in Software & Systems, The George Washington University, Washington, DC, (May 1989).

MS. In Computer Science, The George Washington University Washington, DC, (May 1985).

MS. In Automatic Data Processing, Kharkov Engineering Institute, Kharkov, Ukraine (May 1980).

RESEARCH INTERST:

- BlockChain and FinTech ((Financial Technology)
- Business Analytics and big data
- Security of Information systems.
- Applications of Internet of Things
- Software cost Estimation
- Applications of Mobile Agent Technology

TEACHING EXPERIENCE:

Professor, Management Information System Department, College of Business Administration (AACSB), King Saud University, KSA, (2015 up to date).

Associate professor, Management Information System Department, College of Business Administration (AACSB), King Saud University, KSA, (2009 - 2015).

Associate professor, Management Information System Department, IT College, Yarmouk University, Jordan, Irbid (2002 - 2011).

Associate professor, Computer Science Department, Yarmouk University, Jordan, Irbid (1992 - 2009).

Associate professor, Graduate study in computer science and engineering, New York Institute of Technology, Amman Jordan, (2003 - 2009).

Assistant Professor, Graduate study in computer information systems, the Arab Academy for Banking and Financial Sciences Science, Amman Jordan, (1994 - 2005).

Assistant Professor, United Arab Emirates University, Al-Ain, UAE (1999 - 2002).

Instructor, The South Eastern University, Washington DC. (1990).

Instructor, The University of District of Columbia, Washington DC. (1989).

Instructor, Department of Electrical Engineering and Computer Science, The George Washington University, Washington DC.

PROFESSIONAL EXPERIENCE:

Chair Computer Science Department, IT College, Yarmouk University, Jordan (2008-up to 2009)

Chair Management Information system Department, IT College, Yarmouk University, Jordan (2002-up to 2006)

Information System Engineer, the Federal Department of Education, Washington D.C., U.S.A, **duty:** design, implementation, and maintain the National Clearinghouse for Bilingual Education (NCBE) Integrated Information System consisting of On-line Networked free Text retrieval System, E-mail, electronic News, and In-house DBMS. Administrate and maintain NCBE's Local and Nationwide networks (1989-1992).

Consultant to the Dun & BradStreet Co., Washington DC., U.S.A, **duty:** Consulting the company with questions related to its database, network, hardware and software selections; maintain the company's database and network. (1988-1992).

Technical Assistant, the School of Government and Business Administration, The George Washington University, Washington DC. (1985-1989).

TECHNICAL SKILLS:

Programming Languages: SAS, Visual Basic.NET, C, C++, MODULA, HTML.

OPERATING SUSTEMS: UNIX, NT, VMS, NOVELL.

DATABASE: BRS/Search, DIALOG, MICROISIS, ORACLE, INFORMIX.

Undergraduate Courses Taught (1992 - 2016):

1. Decision Support System
2. Systems Analysis And Design
3. Management Information Systems
4. E-commerce
5. IT Project Management
6. Business Data Communications
7. Healthcare Information Systems
8. Introduction to Computer Science & fundamental of Programming
9. Operating Systems
10. Computer Architecture
11. Computer Graphics
12. Data and Computer Communication Network
13. Data Structures
14. Computer Logic Design

15. Pascal Programming
16. Analysis and Design of Algorithms

GRADUATE COURSES TAUGHT (1992 - 2016):

1. Managing Information Systems Resources
2. Business Intelligence
3. Advanced IT Project Management
4. Management Information Systems
5. Advanced Decision Support System
6. E-commerce & E-business
7. Database Management System
8. Advanced Healthcare Information Systems
9. Advanced Computer Architectures
10. Advanced Business Data Communication & Computer Networks
11. Advanced Algorithms Analysis and Design
12. Advanced Database

ACTIVITIES:

1. E-Business Study Plan Development for the Graduate Study Program at the MIS department, College of Business Administration, King Saud University.
2. Business Analytics Study Plan Development for the Graduate Study Program at the MIS department, College of Business Administration, King Saud University
3. MIS Study Plan Development Committee for the Graduate Study Program at the Yarmouk University
4. Member of the graduate IT Curriculum Committee, United Arab Emirates University.
5. Member of the undergraduate IT Curriculum Committee, United Arab Emirates University.
6. Member of the Higher Computer Committee of Yarmouk University.
7. Computer Science Study Plan Development Committee for Undergraduate and Graduate Programs at the Computer Science Department, Yarmouk University
8. Member of the Master Thesis Evaluation Committee at Al-Albait University.
9. Member of the Master Thesis Evaluation Committee at JUST
10. Consultant for the City Council of Irbid and Irbid Electricity Company
11. Member of the Central Tender Committee at Yarmouk University

PUBLICATIONS:

1. Hasan Al-Sakran, "Cache Optimization in IPTV Network Using Big Data Analytics and Mobile Agent Technology", The International Conference on New Trends in Computing Sciences (ICTCS 2017), Amman, Jordan, October, 2017
2. Hasan Al-Sakran, "Healthcare Information System Architecture Based on Internet of Things, Big Data and Agent Technologies", International Journal of Engineering and Innovative Technology (IJEIT) Volume 6, Issue 5, November 2016
3. Abdullah Alghadeir, Hasan Al-Sakran, "Smart Airports by using Internet of Things (IOT International Journal of Innovative Research in Computer Science & Technology (IJIRCST) ISSN: 2347-5552, Volume-4, Issue-5, September 2016.
4. Hamad Alqahtani, Hasan Al-Sakran, "Towards Safe Commuting: Using Internet of Things for Building Smart Student Tracking System", International Journal of Advanced Research in Computer Science and Software Engineering, Volume 6, Issue 11, November 2016.
5. Hasan Al-Sakran, "Accessing Secured Data In Cloud Computing Environment", International Journal of Network Security & Its Applications (IJNSA) 7 (1), January 2015.
6. Hasan Al-Sakran, "Development of Business Analytics Curricula to Close Skills Gap for Job Demand in Big Data", Journal of Information and Knowledge Management, 5(3), 2015.
7. Hasan Al-Sakran, Intelligent Traffic Information System Based On Integration Of Internet Of Things And Agent Technology, International Journal of Advanced Computer Science and Applications, 2015, 6 (2).
8. Hasan Al-Sakran, Framework Architecture for Improving Healthcare Information Systems Using Agent Technology," International Journal of Managing Information Technology (IJMIT), February 2015, 7 (1).
9. Hasan Al-Sakran, "An Efficient Approach to Develop Software Cost Estimation Model Using Case-Based Reasoning and Agent TECHNOLOGY, Journal of Theoretical and Applied Information Technology, 2014.
10. Hasan Al-Sakran, "Agent and RFID Based Architecture for Supermarket Information System", Journal of Computer Science, 2013.
11. Hasan Omar Al-Sakran, Qasem Kharma and Irina Serguievskaja, "Agent Based framework Architecture for Supporting Content Adaptation for Mobile Government", International Journal of Interactive Mobile Technologies, 2013.
12. Hasan Omar Al-Sakran, Mohammed Alsudairi, and Irina Serguievskaja, "Mobile e-Loan Negotiation Architecture", Journal of Internet Banking and Commerce, August 2012.

13. Hasan Al-Sakran, "Cache Relocation for VoD in Wireless Network Using Mobile Agent Technology", International Journal of Research and Reviews in Applied Sciences, IJRRAS 8 (1), July 2011.
14. Hasan Omar Al-Sakran, Fahad Bin Muhaya and Irina Serguievskaja, "Efficient Cryptographic Technique for Securing and Accessing Outsourced Data", International Journal of Computer Science and Information Security, 9 (8), August 2011.
15. Hasan Omar Al-Sakran, Fahad Bin Muhaya and Irina Serguievskaja. "Multi Agent-Based M-Learning System Architecture", Sibircon2010, IEEE, Region 8 International Conference, July 2010.
16. Al-Sakran, H. and Irina Serguievskaja, "An Efficient Cache Relocation for Wireless Network Using Mobile Agent Technology", The IEEE 3rd International Conference on Modeling, Simulation and Applied Optimization, 2009.
17. Hasan Al-Sakran, and Irina Serguievskaja, "Framework Architecture of e-Loan Negotiation System", The IEEE 3rd International Conference ICTTA'08, Damascus, Syria, 2008.
18. Walid A. Saqqa, Mohammad A. Ali and Hasan Al-Sakran," A Computer Based Information System for Petrographical and Chemical Classification of Sandstone", ABHATH AL-YARMOUK: "Basic Sci. & Eng." Vol. 16, No.2, 2007, pp.229-243
19. Hasan Al-Sakran. "Developing e-Learning System Using Mobile Agent Technology", The IEEE 2nd International Conference ICTTA'06, Damascus, Syria, 2006.
20. Irina Serguievskaja, Hasan Al-Sakran and Jalal Atoum, "Multi-Agent Experience Based e-Negotiation System", The IEEE 2nd International Conference ICTTA'06, Damascus, Syria, 2006.
21. Hasan Al-Sakran and Mohammed Ali, "Fast Compound Words and Substring Searching Techniques in Large Textual Database", The IEEE 2nd International Conference ICTTA'06, Damascus, Syria, 2006.
22. Hasan Al-Sakran and Mohammed Ali, "Designing Efficient Techniques for Searching Encrypted Data in Untrusted Infrastructure", Information Technology Journal, 2005, 5(2): 347-352.
23. Hasan Al-Sakran, "An Agent-based Architecture for Developing E-learning System", Information Technology Journal, 2006, 5(1): 121-127.
24. Hasan Al-Sakran and Irina Serguievskaja, "A Framework for Developing Experience Based e-Negotiation System", Journal of Computer Science, 2006, 2(2): 180-184.
25. Hasan Al-Sakran, "Software Cost Estimation Model Based on Integration of Multi-agent and Case-Based Reasoning", Journal of Computer Science, 2006, 2(3): 276-282.
26. Waleed Saqqa, Mohammed Ali and Hasan Al-Sakran, "A Computer Based Information System Program for Petrographical and Chemical Classification of Sandstone", Abhath Al Yarmouk, Jordan, 2005,

27. Hasan Al-Sakran, "A Framework Architecture for Designing a Mobile Agent-based E-Learning System", International Conference of E-Learning, UAE, 2002.
28. Hasan Al-Sakran, "Application of Case-Based Reasoning to Estimate the Cost of Software", International Conference of E-commerce, UAE, 2001.
29. Hasan Al-Sakran, "String Searching in Large Arabic Vocalized Text", IASTED International Conference Computer Systems and Applications. Irbid, Jordan, 1998.
30. Hasan Al-Sakran, "Design of a Parallel Text Searching Technique Using Extended Hypercube", The IEEE Proceedings of ICECS'95, Amman, Jordan, 1995.
31. Hasan Al-Sakran, "Coding Technique in Central and distributed Information Systems. The International Conference on Computer and Information System", Applied University, Amman, Jordan, 1994.
32. Hasan Al-Sakran and Berckovich, "Searching Textual Information in Multilingual Environment", the Twenty-Third Annual Pittsburgh Conference on Modeling the Simulation. Pittsburgh, Pennsylvania, U.S.A, 1992.