

HASSAN ALJIFRI
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EDUCATION

2001	Ph.D., University of Miami, Coral Gables, FL <i>Dissertation:</i> Temporal Behavior of Real-Time Systems <i>Major:</i> Computer Engineering <i>GPA:</i> 3.9/4
2000	M.S., University of Miami, Coral Gables, FL <i>Major:</i> Industrial Engineering <i>GPA:</i> 3.9/4
1996	M.S., University of Miami, Coral Gables, FL <i>Major:</i> Electrical and Computer Engineering <i>GPA:</i> 3.9/4
1994	B.S., University of Oklahoma, Norman, OK <i>Major:</i> Computer Engineering (<i>with Distinction</i>) <i>GPA:</i> 3.65/4

EXECUTIVE EDUCATION

June 5-16 2006 August 27-31 2006	<i>Building on Talent</i> School of Business, IMD, Lausanne
March 20-22 2005	<i>Advanced Negotiations & Deal-Making Strategies</i> Graduate School of Business, Stanford, Dubai
March 26-30, 2005	<i>E-Government/Leadership in a Networked World</i> JFK School of Government, Harvard University, Dubai
June 20-22, 2005	<i>Leadership in a Networked World: Project Design and Implementation</i> JFK School of Government, Harvard University, Boston

HONORS AND AWARDS

- *Tau Beta Pi* (Engineering Honor Society)
- *Eta Kappa Nu* (Electrical Engineering Honor Society), vice president
- *Golden Key* (National Honor Society)
- *Dean's and President's Honor Roll* (Oklahoma City University)
- *Dean's and President's Honor Roll* (University of Oklahoma)
- *Award of Academic Merit* (University of Miami)
- *First place award in Digital Design* (University of Oklahoma)
- *Who's Who in Business Higher Education*

EXPERIENCE

June 2004 – present

IT & Automation Advisor, Offset Program Bureau, Abu Dhabi, UAE

- **Advisor to His Excellency the Minister of Justice and to His Excellency the Minister of Labor**
 - Oversee the e-government project
 - Assess the situation and provide recommendations
 - Representative of the Ministry in the higher federal e-government steering committee.
 - Seek the views of other government bodies, industry and academia on matters related to e-justice.
 - Develop recommendations for overall e-government project and help realizing the needs to establish an e-government vision and strategy; and to employ e-government as a catalyst to fundamentally reorganize its people and processes.
 - Responsible for preparing RFPs.
 - Responsible for evaluating the proposals.
 - Lead the team in negotiations with international firms.
- **Member of the project team that established Injazat Data Systems** (a JV with EDS)
- **Member of the Project team of TADREEB (National Training)**

Aug, 01 – May, 04

*Assistant Professor, University of Miami, Coral Gables, Florida
Computer Information Systems Department, School of Business Administration*

- Developed and taught new courses in Computer Languages and network security.
- Active researcher: Security, Database and E-Commerce

July 2003

Security Consultant, SEDCO Company, Jeddah, Saudi Arabia

01/98 – 05/01

*Instructor, University of Miami, Coral Gables, Florida
Electrical and Computer engineering Department, School of Engineering*

- Taught C and C++ programming languages
- Helped design programming languages' lab materials
- Responsible for the Programming Language course

Summer 97

Software Engineer, Computer Associates, New York

- Received an extensive training in C, C++, Java, MFC and SQL.
- Trained on Jasmine and Ingress (Database software)

12/96– 05/97

Software Engineer, Deneba Software, Miami, Florida

- Performed research and design software for R&D
- Worked on a software development team to provide development, maintenance, and support for the Canvas graphics package project
- Responsible for the design and debug of the Computer Graphic Metafile (CGM), using C/C++.

PUBLICATIONS

Journals

- "SSL Performance Enhancement Using Image Bundling," *International Journal of Computers and Applications*, 26(4) 2004, (with Pons)
- "IP Traceback: A new Denial-of-Service Deterrent?" *IEEE Security & Privacy*, May/June 2003, 1(3).
- "Security Model for Intra-Domain Mobility Management Protocol," *International Journal of Mobile Communications*, 2004. (with Tyrewalla)
- "Search Engines and Privacy," *Computers & Security*, Forthcoming 2004. (with Navarro)
- "Data Protection using Watermarking in E-Business," *Journal of Database Management*, Special Issue: Data Management for E-Business, 2003, 14(4). (with Pons)
- "E-Government: Privacy Model," *Issues in Information Systems*, 2003, presented in IACIS'2003. (with Pons).
- "International Legal Aspects of Cryptography," *Computers & Security*, 2003, 22(3). (with Navarro)
- "E-Commerce and Arab Intra-Trade," *Information Technology & People*, Special Issue on IT Management in the Middle East, 2003, Vol. 16(1). (with Pons)
- "IP Traceback using Header Compression," *Computers & Security*, 2003, 22(2). (with Smets and Pons).
- "Global E-Commerce A Framework for Understanding and Overcoming the Trust Barrier," *Information Management and Computer Security*. 2003, 11(3). (with Pons and Collins)
- "An Active Watermarking System," *Issues in Information Systems*, 2002, presented in IACIS'2002. (with Pons)
- "The Estimation of the WCET in Super-Scalar Real-Time System," *Parallel and Distributed Computing Practices*, special issue on Real-time Security, 2001, pp. 213-223. (with Pons and Tapia)

Conferences and Presentations

- "E-Government: Privacy Model," *International Association for Computer Information Systems*, Las Vegas, October 2003. (with Pons)
- "Handling Unstructured Data Type in DB2 and Oracle," *International Information Management Association*, Las Vegas, October 2003. (with Pons)
- "Security in Mobility Management," Las Vegas, *The 2003 International Conference on Security and Management*, SAM'03, June 23- 26, 2003. (with Tyrewalla)
- "Mapping Accurate Paths in Network Attacks," Las Vegas, Nevada, *The 1st Security Conference*, April 23-24, 2003.
- "An Active Watermarking System," *International Association for Computer Information Systems*, Ft. Lauderdale, October 2002. (with Pons)
- "Tighten the Computation of Worst-Case Execution-Time by Detecting Feasible Paths," *19th IEEE International Performance, Computing, and Communication Conference*, February 20-22, 2000. (with Pons and Tapia)
- "Computation of Execution Time of a Super-Scalar Real-Time System," Arizona, *IASTED International Conference on Software Engineering and Applications*, SEA'99, 1999. (with Pons and Tapia)
- "A Super-Scalar Processor Simulator for Real-Time Systems," Singapore, *Second International Conference on Information, Communication & Signal Processing*, ICICS'99, 7-10 December 1999. (with Pons and Tapia)

“Using pipeline for Tight Estimation of Worst-Case Execution Time in Real-Time System,” Las Vegas, *International conference on parallel and distributed processing techniques and applications*, PDPTA'99, June, 28- July 1, 1999. (with Pons and Tapia)

Book Chapter

“The Estimation of the WCET in Super-Scalar Real-Time Systems,” *Real-Time System Security*, 2003, 123-137. (with Pons and Tapia)