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Uthman Al-Saiari

Objective

To pursue higher studies (PhD) & research

Education

1993 - 2003   King Fahd University of Petroleum & Minerals
Computer Engineering Department, Dhahran, SA

B. S. Degree in Computer Engineering in Dec 1998

- GPA 3.706 on 4.0 scale
- Top 2% of my class and was on the Dean's list

Projects undertaken in areas pertaining to:

- Performance Evaluation of GaAs Circuits
- Fault Tolerance in CMOS VLSI Circuits
- Internet Search Engines Techniques
- Videoconferencing over the Internet: Performance Optimization

M. S. Degree in Computer Engineering (Defended in Aug 2003)

- GPA 3.688 on 4.0 scale
- M. Sc. Thesis title "Digital Circuit Design Through Simulated Evolution (SimE) Algorithm" under Prof. Sadiq M. Sait and Prof. Mostafa Abd-El-Barr

Other projects completed:

- Novel Design of Multiplier Accumulator (MAC) using 4,2 Adders
- Sequential Circuits Optimization for Power and Delay
- System-on-chip Testing
- Fault Tolerance in Multi-Computer Networks
- Efficient Location Management Technique for Mobile Computing
- Enhancing Security in GSM Network

Publications

- Sadiq M. Sait, Mostafa Abd-El-Barr, **Uthman Al-Saiari**, Bambang A. B. Sarif, "Digital Circuit Design Through Simulated Evolution (SimE)". IEEE Congress on Evolutionary Computation, Canberra, pp. 375- 381, July 2003.

- Mostafa Abd-El-Barr, Sadiq M. Sait, Bambang A. B. Sarif, **Uthman Al-Saiari**, "A Modified Ant Colony Algorithm for Evolutionary Design of Digital Circuits". IEEE Congress on Evolutionary Computation, Canberra, pp. 708- 715, July 2003.

- Sadiq M. Sait, Mostafa Abd-El-Barr, **Uthman Al-Saiari**, Bambang A. B. Sa "Fuzzified Simulated Evolution Algorithm for Combinational Digital Logic Design Targeting Multi-Objecitve Optimization". IEEE ISCAS 20 Submitted Sep. 2003.

- Mostafa Abd-El-Barr, Sadiq M. Sait, Bambang A. B. Sarif, **Uthman Al-Saia** "Cominational Logic Circuit Design Through Ant Colony Optimization Algorithm ". IEEE ISCAS 2004, Submitted Sep. 2003.

Experience	Oct 2001 – Present	King Fahd University of Petroleum & Minerals Computer Engineering Department, Dhahran, SA

Graduate Assistant

Teaching Experience

Taught in the following laboratory courses:

- Introduction to Computer Engineering (Teaching and FPGA Lab Manual Development)
- Digital Systems Design
- Computer Organization & Architecture

Nov 1997 – Oct 2001   Saudi Aramco (Oil Company), Dhahran, SA

Saudi Aramco Sponsored Student   Nov 1997 - Feb 1999

- Sponsored by ARAMCO for the B.Sc in Computer Engineering from KFUPM

System Analyst   Feb 1999- Oct 2001

 Worked on several projects including:

- Developed database applications and web enabled applications
- Involved in several team projects
- Set up local area networks in remote areas
- Worked on handheld PCs and PDA Wireless Application

Summer 1998   Saudi Aramco (Oil Company), Dhahran, SA

System Analyst

- Developed two VB application

Tools Competence

- Programming Languages: C, Pascal, Fortran, VB and Java
- VLSI tools: VHDL, SIS and Magic, etc
- Others: MATLAB, Web Development tools and Database Applications

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Memberships   IEEE, IEEE Computer Society and IEEE Neural Networks Society.

References   Personal References available upon request.