

# Syed Zafar Shazli

---

**Present Address:**

P.O .Box 1332  
KFUPM, Dhahran 31261  
Kingdom of Saudi Arabia  
Tel: 966-3-8605219, 966-5- 4816782  
e-mail: [shazli@ccse.kfupm.edu.sa](mailto:shazli@ccse.kfupm.edu.sa)

**Permanent Address:**

B-222, Block 2,  
Gulistan-e-Johar, Karachi, Pakistan  
Tel: 92-21-8122142

## Experience

**September 2001- present**

*Lecturer*, Computer Engineering Department, **KFUPM, Dhahran, Saudi Arabia**

- Teaching undergraduate courses in the department.
- Advising undergraduate students of the department.
- Carrying out research in various fields of computer engineering.
- Supervising senior projects
- Administrative works in the department.

**September 1998- June 2001**

*Research Assistant*, Computer Engineering Department, **KFUPM, Dhahran, Saudi Arabia**

- Assisting faculty members in teaching/research activities.
- Carrying out research in various fields of computer engineering.
- Teaching labs. to undergraduate students in the department.
- Development of research-oriented simulators.
- Administrative works in the department.
- Assistant coordinator for Senior Design Projects and Summer Training

**January 1998-August 1998**

*Instructor*, *Department of Computer Science*, **AIT, Karachi, Pakistan**

- Teaching introductory programming courses in the department
- Coordinating the BS program.
- Member of the Library committee

## Education

**January 1992 – February 1995**

University of Karachi, Karachi, Pakistan.  
Degree Objective: B.Sc. (Hons)  
Discipline: Physics and Maths  
Division: 1<sup>st</sup>

**February 1995 – March 1997**

University of Karachi, Karachi, Pakistan.  
Degree Awarded: MCS  
Discipline: Computer Science  
GPA: 3.4/4.00

**September 1998 – June 2001**

King Fahd University of Petroleum and Minerals, Dhahran, Kingdom of Saudi Arabia  
Degree Awarded: MS  
Discipline: Computer Engineering  
GPA: 3.5/4.00

## Skills

Languages	VHDL, C, C++, Pascal, Assembly Language (8086 & 8051), Visual Basic
Operating Systems	Windows NT/9X, UNIX, Solaris, Linux
Platforms	SUN, VAX, PCs, NeXT, Power-PC
VLSI Tools	Spice, SIS Tools, HITEC, HOPE, Magic

## M.S. Thesis

- Evolutionary meta-heuristics for state justification in sequential automatic test pattern generation. Used various VLSI Testing tools and the implementation was done in C under UNIX.

## Projects

- Designed and implemented an MIS and inventory control system for DAWN Group of Newspapers using Visual Basic and ORACLE (MCS Final year Project)
- Developed a software in C which optimized the placement of modules on a VLSI chip using Simulated Evolution Algorithm. (MS course project)
- Designed a visual tool to solve TSP problem using branch-and-bound algorithm (MS course project)
- Developed a simulator using C++ and studied the "Performance of different crossover operators of Genetic Algorithm for Dynamic Routing in Virtual Path Homogenous ATM Networks". (MS course project)
- Designed and implemented a software for performing static test set compaction using Simulated Evolution algorithm

## Publications

- Aiman El-Maleh, Sadiq Sait, and Syed Shazli, "*Evolutionary Algorithms for state justification in sequential Automatic Test Pattern Generation*". Journal of Engineering Intelligent Systems, Vol 13, No.1, March 2005.
- Aiman El-Maleh, Sadiq Sait, and Syed Shazli, "*An Evolutionary Meta-Heuristic for State Justification in Sequential Automatic Test Pattern Generation,*" International Joint INNS-IEEE Conference on Neural Networks (IJCNN), July 2001, Washington D.C., USA.
- Aiman El-Maleh, Sadiq Sait, and Syed Shazli, "*An Iterative Heuristic for State Justification in Sequential Automatic Test Pattern Generation,*" Genetic and Evolutionary Computation Conference (GECCO-2001), July 2001, San Francisco, USA.
- Syed Z. Shazli, Salman A. Khan and Junaid A. Khan, "*A FuzzyGenetic Algorithm for Dynamic Routing in Homogeneous ATM Networks*". Proc. First Saudi Technical Conference and Exhibition (STCEX 2000), Nov 18-22, 2000, Riyadh, Saudi Arabia

## Graduate Courses Taken

- Advanced Computer Architecture
- Design Automation of VLSI
- Computer Communication Networks
- Digital System Testing
- Performance Evaluation of Computer Systems
- Modeling and Simulation
- Applied Combinatorics and Graph Theory
- Parallel Algorithms

## Languages

- Excellent communication skills in English and Urdu.

## Personal

- Date of birth: 5<sup>th</sup> March 1974.
- Marital status: Married
- Nationality: Pakistan
- Traveled in Saudi Arabia, USA, Pakistan, France, Bahrain, and Kuwait.
- Hobbies include reading, playing cricket.

## References

- (1) Dr. Sadiq M. Sait Professor, Department of Computer Engineering, KFUPM  
Ph: +966-3-860-2217 , email: [sadiq@ccse.kfupm.edu.sa](mailto:sadiq@ccse.kfupm.edu.sa)
- (2) Dr. M. Sarfraz Associate Professor, Department of Information and Computer Science, KFUPM  
e-mail: [sarfraz@ccse.kfupm.edu.sa](mailto:sarfraz@ccse.kfupm.edu.sa)
- (3) Dr. Aiman H. El-Maleh Assistant Professor, Department of Computer Engineering, KFUPM  
e-mail: [aimane@ccse.kfupm.edu.sa](mailto:aimane@ccse.kfupm.edu.sa)