

KAMRAN ARSHAD

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VISION

To excel & grow in a professional environment & follow the career path to the top technical position in a progressive organization, where I can utilize my skills and expertise to achieve new milestone in my field.

PERSONAL PROFILE

Date of Birth	18th November, 1978	Marital Status	Single
Religion	Islam	Nationality	Pakistani
Height	5'6 "	Language Prof.	English, Urdu

QUALIFICATION / EDUCATION

Master of science	Electrical Engineering (2001-03) from KFUPM, Saudi Arabia Specialization in the field of TELECOMMUNICATION. Cumulative GPA: 3.97 out of 4
Bachelor of engineering	Electrical Engineering (1996-2000) from NED university, Pakistan Cumulative GPA: 4 out of 4

HONORS

- Scholarships for each academic year and Merit Award Certificate from NED university.
- Scholarship for graduate studies at KFUPM.
- Research Assistantship in EE department, KFUPM .

AREAS OF INTEREST

- Digital Communications
- Telecommunication Networks
- Wireless and Mobile Communications
- Digital Signal & Image Processing
- Computer Networks
- Control Theory

PROFESSIONAL EXPERIENCE

- **King Fahd University of Petroleum & Minerals, Saudi Arabia**
Working as a Research Assistant in Electrical Engineering Department, involved in research projects conducted research individually as well as in a team.
- **Motorola (Mobilink) GSM Private Limited**
Worked with Mobilink GSM as a System Engineer for there network of Karachi and Hyderabad (Pakistan). Major responsibilities include, daily inspection of cell sites, path balance analysis, drive testing and calibration of Tx and Rx antennas.
- **SIEMENS Pakistan Private Limited**
Worked as an Executive Engineer in the department of Transformer Design.
- **NED University of Eng. & Tech. Pakistan**
Worked as a Lecturer in the Department Of Electronics Engineering in NED University Of Engineering & Technology for the period of one complete academic year.

RESEARCH PROJECTS

- Channel Estimation in OFDM Systems [**MS Thesis**].
Investigate different algorithms of estimating channel in OFDM systems, propose a

new scheme for inserting pilot tones and compare it with existing pilot patterns. Propose a method for adaptive channel equalization, and a new method to combat with frequency offsets in OFDM systems.

- Centralized Meter Reading System (CMRS). [Undergraduate Final Year Project]
- Simulate a new scheme using Stop and Go algorithm of Blind Equalizer, which significantly reduces its convergence time
- Implementation of a web server (using HTTP 1.1) in java.
- Comparative study of different architectural approaches used in *Reconfigurable Computing*.

PUBLICATIONS

- "Arrangement of Pilot Tones in Wireless OFDM Systems", Kamran Arshad and Dr. Asrar U. H. Sheikh (Under review of 14th IEEE International Symposium, PIMRC 2003, Beijing, China)
- "Novel approach to combat frequency offsets in Wireless OFDM Systems", Kamran Arshad and Dr. Asrar U. H. Sheikh (For IEEE International Symposium, ISSSTA 2004, Sydney, Australia)

COMPUTER PROFICIENCY

- Proficient in programming in MATLAB and Mathematica.
- Expert in working with scientific text editor LATEX
- Worked in C, C++, Java, Visual Basic and Assembly Language
- Proficient in MS Word, Microsoft Excel, Microsoft Project and Microsoft Visio.
- Hand on Experience in Autocad.
- Proficient in simulation of circuits with SPICE.
- Conversant with operation, installation and minor-trouble shooting of Computers in Windows/NT environment.

STRENGTHS

- Innovative in approach.
- Feel comfortable to run and go with a team.
- Analytical and have fine problem solving skills.
- Self motivated, with good communication skills.
- Adaptable to any change in the environment and system.

REFERENCES

1. Dr. Asrar Ul Haq Sheikh
Bell Labs Chair Professor

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2. Prof. Sheikh Ghulam Hussain
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