Khurram Saleem Alimgeer

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Objective

I seek a university environment to carry out my doctoral studies in the field of communications to produce innovative and state of the art solutions to any problem and to create and design digital systems so as to make world a better place to live.

Education

1. **PhD (Electircal Engineering) In progress:** Courses studied: Digital Image Processing, Mobile and broadband networks, Digital Control Systems, Radio Wave Propagation, RF and Network Planning, Antenna theory and Design, Advance topics in radio wave propagation. Research work is in progress.
2. **MS.(Telecommunication) (2006):** 2004 To 2006 Ms telecommunication from Mohammad Ali Jinnah University, Islamabad Campus Pakistan; (10 courses and a thesis) Obtained CGPA 3.75, Class Rank 1/32.
3. **BE (IT) (2002):** 1998 To 2002 Bachelor of Engineering in Information Technology from Hamdard University Karachi, Islamabad Campus Pakistan; Obtained CGPA 3.42, Class Rank 5/98.
4. **BSc(1998):** Math A, B and Physics. (1998 Govt. SE College Bhawalpur)

International Training:

1. EDA tools training for FPGA, Chip design and PCB design from Mentor Graphics **PacRim South Headquarters, Mentor Graphics Asia Pte Ltd,238A Thomson Road #23-07, Novena Square Tower A Singapore 307684 (Aug 2009)**

Work experience

1. Assistant Professor in Department of Electrical Engineering at **COMSATS Institute of Information Technology, Park Road, Islamabad (**30, April 2009 to Date). Main responsibilities are **Research and Teaching** the courses of Digital Communication, Systems and Controls, Digital Signal Processing. I have published research articles in antenna design and network authentication protocols.
2. Incharge Telecommunication in Department of Electrical Engineering at **COMSATS Institute of Information Technology, Park Road, Islamabad (**May 2008 to Aug 2009). Main responsibilities were **Teaching and managing** the undergraduate program of Telecommunication Engineering. Taught courses were Electric Circuits Analysis I, II, Electronics I, II, Controls Engineering and Fiber Optics. Management of faculty in every respect was also performed.
3. Lecturer in Department of   Electrical Engineering at **COMSATS Institute of Information Technology, H-8, Islamabad (**1, December 2005 to 29, April 2009). Main responsibilities were to design and teach the courses of Assembly Language, Introduction to computers and computing, Programming I, II, Object Oriented Programming, Data Structures and Algorithms.
4. Junior Lecturer in Department of Electrical Engineering at **COMSATS Institute of Information Technology, H-8, Islamabad (**13, September 2003 to 30, November 2005**).** Main responsibility is to teach and assist the course at undergraduate level.

Additional Activities: Member of Editorial group, Examination Incharge(2004)**,** Lab Incharge VLSI lab (2004), Lab Incharge Electronics lab (2005), Student Evaluation Process (2006), Member Proctorial board (2007), Class Counsellorship (2008)**,** Member technical evaluation committee (2008), Convener Electronics and control group (2008), Active researcher, Incharge Telecommunication (2008-2009 Undergraduate Program).

Distinction/honors

1. Achieved 1st position in MS-telecommunication (Sept2006).
2. Won scholarship in the MS studies on the basis of excellent CGPA(From 2004-2006)
3. Best Employ of the year 2008-2009 in Electrical Engineering Department, CIIT (Aug 2009)
4. Project supervised and won 2nd prize in EMCOT2008, CIIT Abbottabad (11-12 May, 2008)
5. Project supervised and won 1st prize in FIT2009, CIIT Abbottabad (16-18 December, 2009)
6. Team Trainee of 1st prize winners of Quizzical, Baharia University Islamabad(2009)
7. Honorary Judge in Nascon competition held in Fast Islamabad (17-18 April,2010)
8. Organizer of CEPEX2010 Quizzical Competition, CIIT Islamabad.(2-3 April 2010)
9. Chief Organizer of CEPEX2011 Quiz Competition, CIIT Islamabad.(4-5 April 2011)

Publications in Conferences and Journals

1. **Alimgeer, K.S.**; Naveed, A.; Chaudhry, M.A.S.; Qurashi, I.M.; "A Comparison of Interference cancellation based on QR decomposition and based on MMSE for space time block codes in multi-rate multi-user systems". *IEEE International Multitopic Conference (INMIC)*, December 2006.
2. Ibrahim, M.T.; **Alimgeer, K.S**.; Khan, M.A.; Taj, I.A., "Creation and Selection of Most Stable Discriminating Features for On-Line Signature Verification". *International Conference on Machine Vision (ICMV)*, December 2007.
3. Ibrahim, M.T.; Kyan, M.; Khan, M.A.; **Alimgeer, K.S**.; Ling Guan; "On-Line Signature Verification: Directional Analysis of a Signature Using Weighted Relative Angle Partitions for Exploitation of Inter-Feature Dependencies," *International Conference on Document Analysis and Recognition, 2009. ICDAR '09. 10th*, vol., no., pp.41-45, 26-29 July 2009.

4. Raheel M. Hashmi, Arooj M. Siddiqui, M. Jabeen, **K.S.Alimgeer,** "Computational Complexities and Breaches in Authentication Frameworks of Broadband Wireless Access (BWA)". *International Journal on Computer Science and Information Systems, 2009.*

5. Raheel M. Hashmi, Arooj M. Siddiqui, M. Jabeen, **K.S.Alimgeer**, "Improved Secure Network Authentication Protocol (ISNAP) for IEEE 802.16", *International Conference no Information and Communication Technology (ICICT)*, 2009.

6. Raheel M. Hashmi, Arooj M. Siddiqui, M. Jabeen, K. Shehzad, **K.S.Alimgeer**, "Design and Experimental Analysis of High Performance Microstrip Antenna for Wireless Broadband Communication", *International Journal of Computer Science*, Issues 2009.

7. **K.S.Alimgeer**, S. Muzahir Abbas, Raheel M. Hashmi, H. Zahra, Z. Qamar, Shahid A. Khan "Multiband Resonance Generation by Feed Manipulation in Microstrip Antenna" *The Fouth World Congress Aviation in the XXI-st Century Safety in Aviation And Space Technologies* 2010**.**

8. Khan, M.A.; Khan, A.; Mahmood, T.; Abbas, M.; **Alimgeer, K.S**.; "Multi-stage iterative FLD method for face recognition," *International Conference on Information and Emerging Technologies (ICIET), 2010*, vol., no., pp.1-5, 14-16, June 2010.

9. **K. S. Alimgeer**, Shahid A. Khan, Z. Qamar, M. Zubair, Raheel M. Hashmi, "Parametric Trend Analysis of Miniature Slotted Antenna with Dual-Band Characteristics", *2nd IEEE Conference on Telecommunications CONATEL'11, Arequipa*, Peru, May 2011.

10. Raheel M. Hashmi, Arooj M. Siddiqui, M. Jabeen, **K. S. Alimgeer**, "Towards Secure WirelessMAN: Revisiting and Evaluating Authentication in WiMAX", *Proceedings of IEEE International Conference on Computer Networks and Information Technology, Baragali*, pp. 165-173, June 2011.

11. Ali W. Azim, Shahid A. Khan, Zeeshan Qamar, **K. S. Alimgeer**, S. M. Ali, "Current Distribution Dynamics in Microstrip Patch Antenna Arrays", *International Journal of Future Generation Communication and Networking*, Vol. 4, No. 3, pp. 46-59, September, 2011,

12. Safdar Ali, Shahzad A. Malik, **K. S. Alimgeer**, Shahid A. Khan, Liaqat Ali, "Statistical Estimation of Tropospheric Radio Refractivity Derived from Ten Years Meteorological Data", *Journal of Atmospheric and Solar-Terrestrial Physics*, Vol, No., pp, 2011

13. **Khurram Alimgeer** , Shahid Khan , Zeeshan Qamar , Syed Abbas, "Planar monopole UWB antenna with 5GHz dual notched band characteristics", *Przegląd Elektrotechniczny Electrical Review*, Vol 6, pp 295-299, 2012

14. with Nihala

Reviewer of Journals: IET Signal Processing, Scientific Academic Publishing (SAP) {http://www.sapub.org/journal/reviewers.aspx?journalid=1008}, Wireless Personal Communication

Computer Languages / Software's/ OS/ Platforms

C/C++	Verilog	ABEL	Ladder diagram	PLC	Pspice Xilinx Foundation Series Visual
Basic	Matlab FPGA Express	V.B.NET	Assembly(8051) ns-2 AutoCAD Microwind HTML	HFSS	Inkscape
Texmaker WinEdit	Latex	SWP	CST	Mentor Graphics OPNET	
DOS	Windows (7, 9x, 2000, XP, Vista, NT)		Linux/Unix	CMX (RTOS)	

Reference

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Prof. Dr. Shehzad A Malik,
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