Saqib Saleem

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Objective

To pursue a challenging position using Engineering and Professional Techniques that will consume my Knowledge, Potential Skills and Excellence in the area of Engineering.

Work Experience

Aug 2011 – to date   Institute of Space Technology, Islamabad

Lecturer: Department of Electrical Engineering

Subjects: Signals and Systems, Communication System I.

Labs: Intro to IT, Communication System 1

Sep 2010 – Aug 2011   Institute of Space Technology, Islamabad

TVF Lab Demonstrator: DSP Lab , Digital Communication Lab

Teaching Assistant: Advanced Digital Communication

Project: Design and Implementation of MIMO-OFDM Test-bed

Educational Background

2009 –2011   MS Communication Engineering

Institute of Space Technology, Islamabad

Thesis: *Optimization of Channel Estimation Algorithms for MIMO-OFDM based LTE-Advanced*

CGPA: 3.80/4

2003(Fall) – 2008   B.Sc Electrical Engineering

University of Engineering and Technology, Lahore

Final Year Project – *Software Defined Radio*

Division: 1st

2000 – 2002   F.Sc Pre-Engineering

Govt. College, Lahore

Percentage: 83.82%

1998 – 2000   Matriculation in Science

Misali Zakaryia Higher Secondary School, Muzzafargarh

Percentage: 86.7%

Personal Detail

Father Name: Muhammad Mansha Saleem
Marital Status: Single
Date of Birth: May 5, 1985
CNIC #:   36501-9436747-3
Nationality: Pakistani
Religion: Islam

<div style="text-align:center">

Publications   <u>**Journal Publications**</u>

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1. **Saqib Saleem**, Qamar-ul-Islam, "*Optimization of LSE and LMMSE Channel Estimation Algorithms based on CIR Samples and Channel Taps* ", IJCSI International Journal of Computer Science Issues, Vol.8, Issue.1, pp.437-443,January 2011   (**Impact Factor: 0.242)**

2. **Saqib Saleem,** Qamar-ul-Islam, "*Performance and Complexity Comparison of Channel Estimation Algorithms for OFDM System* " IJECS International Journal of Electrical and Computer Sciences, Vol.11, No.2, pp.6-12, April 2011

3. **Saqib Saleem,** Qamar-ul-Islam, "*LMS and RLS Channel Estimation Algorithms for LTE-Advanced* ", Journal of Computing, Vol.3, Issue.4, pp.155-163, April 2011   (**Impact Factor: 0.21)**

4. **Saqib Saleem,** Qamar-ul-Islam, "*Transform-Based Channel Estimation Techniques for LTE-Advanced* ", Journal of Computing, Vol.3, Issue.4, pp.164-169, April 2011   (**Impact Factor: 0.21)**

5. **Saqib Saleem,** Qamar-ul-Islam, "*On Comparison of DFT-based and DCT-based Channel Estimation for OFDM System* ", IJCSI International Journal of Computer Science Issues, Vol.8, Issue.3, No.2, pp.353-358, May 2011

             (Impact Factor: 0.242)

6. **Saqib Saleem,** Qamar-ul-Islam, "*Channel Estimation using Adaptive Filters for LTE-Advanced* ", IJCSI International Journal of Computer Science Issues, Vol.8, Issue.3, No.2, pp.344-352,May 2011

             (Impact Factor: 0.242)

7. **Saqib Saleem,** Qamar-ul-Islam, Waqar Aziz, Abdul Basit, "*Performance Evaluation of Linear Channel Estimation Algorithms for MIMO-OFDM in LTE-Advanced* " IJECS International Journal of Electrical and Computer Sciences, Vol.11, No.3, pp.64-69, May 2011

8. **Saqib Saleem,** Qamar-ul-Islam, "*Evaluation of Kalman Filtering Based Channel Estimation for LTE-Advanced* ", IJCST International Journal of Computer Science and Telecommunication, Vol.2, Issue.5, pp.1-6, August 2011

9. **Saqib Saleem,** Qamar-ul-Islam, "*CIR Samples and Channel Taps Based Windowed-DFT Channel Estimation for MIMO-OFDM System* " IJCA International Journal of Computer Applications, Vol.28, Number.4, pp.45-49, August 2011

10. **Saqib Saleem,** Qamar-ul-Islam, " *Channel Estimation using Least Mean Square (LMS) Algorithm for LTE-Advanced*", Journal of Computing, Vol.3, Issue.12, pp.102-107, December 2011   (**Impact Factor: 0.21)**

11. **Saqib Saleem,** Qamar-ul-Islam, "*Optimization of Channel Estimation Algorithms for MIMO-OFDM based LTE-Advanced*", IJCSI International Journal of Computer Science Issues, Thesis Publications Vol.2, 2012

              (Impact Factor: 0.242)

12. **Saqib Saleem,** Qamar-ul-Islam, " *Recursive Least Square (RLS) Based Channel Estimation for MIMO-OFDM System*", Life Science Journal,Vol.9,Issue.2,pp.14-19,February 2012   (**Impact Factor: 0.158)**

13. E.Ahmed, W.Aziz, **Saqib Saleem,** Qamar-ul-Islam, " *Performance of OFDM System for Different Channel Lengths and Multipath Channel Taps*", Accepted for publication in Journal of Basic and Applied Scientific Research (JBASR), Vol.2, Issue.4, April 2012   **(ISI Indexed)**

14. Khurram Shahzad, **Saqib Saleem**, Qamar-ul-Islam, "*Effect of Multipath Channel Parameters on Performance of Spectrum Sensing using Energy Detector*", Accepted for publication in World Applied Science Journal (WASJ), Vol.16, Issue.8, August 2012   **(ISI Indexed)**

15. **Saqib Saleem**, Khurram Shahzad, Qamar-ul-Islam, "*Performance Evaluation of Energy Detection Based Spectrum Sensing Technique for Wireless Channel*", Submitted for publication in Journal of Basic and Applied Scientific Research (JBASR),Vol.2,Issue.4,April 2012   **(ISI Indexed)**

16. W.Aziz, G.Abbas, E.Ahmed, **Saqib Saleem**, Q.Islam, "*Design Analysis of Analog Data Reception using GNU Radio Companion (GRC)*", Accepted for publication in World Applied Science Journal (WASJ), Vol.16, Issue.9, September 2012   **(ISI Indexed)**

17. S.Hasan, H.Qayyum, **Saqib Saleem**, T.Mehmood,Q.Islam, "*pi/4 DQPSK Transceiver Design with Efficient Exploration of Advance Design System (ADS)*", Submitted for publication in World Applied Science Journal (WASJ), Vol.16, Issue.9, September 2012   **(ISI Indexed)**

18. G.Abbas, E.Ahmed, W.Aziz, **Saqib Saleem**, Q.Islam, "*Performance Enhancement of Multi-Input Multi-Output (MIMO) System with Diversity*", Submitted for publication in International Journal of Multidisciplinary Sciences and Engineering (IJMSE), Vol.3, Issue.5, May 2012

Refereed Conference Publications

19. **Saqib Saleem,** Qamar-ul-Islam, "*Time-Domain Channel Estimation for MIMO-OFDM Systems* " 3rd IEEE International Conference of Signal Processing Systems (ICSPS), Yantai China, pp.196-200, August 2011

20. **Saqib Saleem,** Qamar-ul-Islam, "*MIMO-OFDM Channel Estimation using Least Mean Square (LMS) Algorithm* " 2th International Conference on Aerospace Science and Engineering (ICASE), Islamabad, Pakistan, September 2011

21. I.A. Huqqani, **Saqib Saleem**, Q.Islam, "Performance Analysis of Image Transmission through LDPC-Coded OFDM System", 2th International Conference on Aerospace Science and Engineering (ICASE), Islamabad, Pakistan, September 2011

22. W.Aziz, G.Abbas, **Saqib Saleem,** Q.Islam, " *Physical Layer Enhancements of 3GPP's Rel-10 Based LTE-Advanced System*" 2th International Conference on Aerospace Science and Engineering (ICASE), Islamabad, Pakistan, September 2011

23. **Saqib Saleem**, Qamar-ul-Islam, "Performance Analysis of Channel Allocation Algorithms for WiMax ", Accepted for publication in 9th IEEE International Conference on Applied Sciences and Technology (IBCAST), Islamabad, Pakistan