Name: Muhammad Huseen Khan
Address: School of Computer Science and Engineering
Nanjing University of Science and Technology, Nanjing, P.R, China
Email: huseen11@njust.edu.cn

Research Interest

Seeking for a PhD Position in the area of Information and Communication technology. My research interests are:

- 5G-IoT Communication
- Network Performance Evaluation
- Reconfigurable Intelligent Surfaces

EDUCATION

Master of Science, Computer Science and Technology **September 2018 to till date**
Nanjing University of Science and Technology, China
Obtained Marks 86%
Thesis Topic: Analysis of Channel Coding and Waveform Techniques for Reliable Communication in 5G Cellular Networks.

Thesis Supervisor: Gongxuan Zhang (Associate Dean, School of Computer Science and Engineering, Nanjing University of Science and Technology)

Bachelor of Science, Telecommunication Systems **October 2012 to September 2016**
Bahauddin Zakariya University, Multan, Pakistan
Obtained CGPA 3.70/4.00

Final Year Project: Resource Allocation in Virtual Wireless Network.

Description: In this simulated project, we first examined the probabilistic nature of the Wireless environment and then the dynamic algorithm of resource allocation by using the Stochastic geometry mathematical tool. I worked as a Team leader for this project.

Core Modules in Bachelor and Masters: Wireless Communication, Artificial Intelligence, Intelligent Optimization Algorithm, Modern Telecommunication Systems, Tele-traffic planning and management.

Key Software skills and Semester Projects

- Evaluate the Radio performance of 4G Network based on Handover Success Rate (HSR), Call Setup Success Rate (CSSR) and Traffic Channel Congestion rate (TCHR). We used TEMS Investigation and MAPINFO professional tools in this project.
- Investigate the estimated CSI for Massive MIMO based on Kalman Filter using Matlab.
- Presented the analysis of Candidate 5G Waveform techniques on different parameters such as Power Spectral density, Peak-to-average ratio under a common framework using Matlab.
- Examined the performance of spectrum sensing in different fading environment through simulation.

Academic Publications

- **Khan Muhammad Huseen**, and Gongxuan Zhang. "Evaluation of Channel Coding Techniques for Massive Machine-Type Communication in 5G Cellular Network." *2020 IEEE 3rd International Conference on Information Communication and Signal Processing (ICICSP)*. IEEE, 2020.

Achievement & Awards

- Won Nanjing Municipal Government (NMG) scholarship award-funded Master based on academic distinction.
- Recipient of Dean's List academic achievement award for consecutive four years during my Bachelor's study.

Serial No:SS 215506

Sr. No. 42555
Printing Date: 26-Jan-2017

Bahauddin Zakariya University, Multan (Pakistan)

Controller of Examinations

TRANSCRIPT

Bachelors in Telecommunication Systems (Morning)

Session : 2012-2016

Name: Muhammad Huseen Khan

Father's Name: Abdul Mannan Khan

Roll No.: BSTSM-12-28

Registration No.: 2012-bztc-72

Cr. #	CourseTitle	GPA	Gr.	Cr.
Semester: I				
101	Introduction to Computing	4.00	A	3
102	Waves & Oscilations	4.00	A	3
103	Eng-I, Functional English	3.70	B	3
104	Electrical Circuits	2.50	C	3
105	Islamic Studies	3.10	B	2
106	Calculus & Analytical Geometry	3.10	B	3
Semester GPA		**3.42**	**B**	
Semester: III				
301	Digital Logic Design	3.00	B	3
302	Computer Networks	3.50	B	3
303	Networking Fundamentals - I	3.30	B	3
304	Data Communications	3.30	B	3
305	Signals and Systems	3.50	B	3
Semester GPA		**3.32**	**B**	
Semester: V				
501	Network Security	4.00	A	3
502	Statistics and probability	3.70	B	3
503	Nos- Fundamentals-I	4.00	A	3
504	Wireless Networks	4.00	A	3
505	Telecommunication Networks and Protocoles	4.00	A	3
Semester GPA		**3.94**	**B**	
Semester: VII				
701	Wireless Communications	4.00	A	3
702	Remote Access Networks	4.00	A	3
703	Voice Over IP	4.00	A	3
704	Network Operations BSC & BTS	4.00	A	3
Semester GPA		**4.00**	**A**	

Cr. #	CourseTitle	GPA	Gr.	Cr.
Semester: II				
201	Programming Principles And Applications	3.70	B	3
202	Eng-II, Communication Skills	3.50	B	3
203	Data Structures and Algorithms	4.00	A	3
204	Linear Algebra And Differential Equations	4.00	A	3
205	Pakistan Studies	3.30	B	2
206	Electrical Devices & Circuits	3.30	B	3
Semester GPA		**3.65**	**B**	
Semester: IV				
401	ENG-III, Technical Report Writing & Presentation Skills	3.90	B	3
402	Networking Fundamentals - II	4.00	A	3
403	Intro. To Telecommunication Systems	2.70	C	3
404	Analog & Digital Communication	3.70	B	3
405	Intro. to Fields, Waves & Antennas	4.00	A	3
Semester GPA		**3.66**	**B**	
Semester: VI				
601	Telecommunication Managment N/Ws	4.00	A	3
602	Nos- Fundamentals II	3.50	B	3
603	Transmission Switching & Signaling	4.00	A	3
604	Modern Telecommunication Systems	4.00	A	3
605	Telecommunication Standards & Regulations	3.60	B	3
606	Telecommunication Software Design	3.30	B	3
Semester GPA		**3.73**	**B**	
Semester: VIII				
801	Tele-Traffic Planning and Managment	4.00	A	3
802	Qos in Telecommunication Systems	4.00	A	3
803	Digital Signal Processing	4.00	A	3
804	Optical Fiber Communication	3.50	B	3
805	Software Project	4.00	A	6
Semester GPA		**3.92**	**B**	

Course Result Completed on: 30-Sep-2016

CGPA : 3.70 / 4.00 Grade: B

GPA=Grade Point Average CGPA=Cummulative Grade Point Average [r]=Course Repeated C/W=Course Withdrwan
Gr.=Grade Cr.=Credit Hour Cr. #=Course No.

Ready Reckoner is given overleaf

26-1-2017

Assistant Controller of Examinations
For Controller

Roll No. BSTSM-12-28 Registration No. 2012-bztc-72

BAHAUDDIN ZAKARIYA UNIVERSITY
MULTAN-PAKISTAN

FACULTY OF SCIENCE

Session 2012-2016

This is to certify that

Muhammad Huseen Khan S/o Abdul Mannan Khan

After having fulfilled the requirements has been duly admitted to the degree of

Bachelors in Telecommunication Systems

Grade: B

Date of Completion: September,2016

Serial No. 063651

CONTROLLER OF EXAMINATIONS

CHANCELLOR

Multan, Dated: 17 AUG 2018

南京理工大学
攻读硕士学位研究生在校学习成绩单

学号	718106010009	姓名	KHAN,MUHAMMAD HUSEEN	学科专业	计算机科学与技术		
课程名称					成绩	学分	备注
Principles and Methods of Artificial Intelligence					82	2	
Data Mining & Big Data Analysis					85	2	
Intelligent Optimization Algorithms					91	2	
Chinese I					83	4	
Introduction to Chinese Classics					82	2	
The Formal Semantics of Program					87	2	
Formal Specification and Testing of Software					81	2	
Software Evaluation and Copyright Protection					90	2	
The Architectures and Protocols of the Next-Generation Inter					90	2	
Applied Statistics					91	2	
Services Computing and Business Process Management（I）					87	2	
Trusted Computing Technologies					90	2	
Distributed System and Parallel Computing					82	2	

注：1、本成绩单若无研究生成绩专用章无效！

2、本成绩单非计算机打印无效！

盖章：南京理工大学研究生成绩专用章

南京理工大學
NANJING UNIVERSITY OF SCIENCE & TECHNOLOGY
200 Xiao Ling Wei, Nanjing 210094
P.R.China

在学证明

巴基斯坦籍留学生KHAN,MUHAMMAD HUSEEN，男，护照号码：SM4131371，学号：718106010009，系我校中国学校奖学金硕士研究生，于2018年09月至2021年04月在我校计算机科学与工程学院学习计算机科学与技术专业，授课语言为英语。

特此证明。

南京理工大学国际教育学院

2020年11月02日

This is to Certify that

Mr. KHAN,MUHAMMAD HUSEEN from Pakistan with Passport No. SM4131371 and student ID No. 718106010009, was enrolled as a Master Student (Chinese University Scholarship) in the School of Computer Science and Engineering at Nanjing University of Science & Technology in September, 2018. He studied his major Computer Science and Technology in English. His anticipated date of completion for his program is April, 2021.

School of International Education

Nanjing University of Science & Technology

November 02, 2020

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