

SOHAIL JABBAR

Father's Name: Abdul Jabbar
Date of Birth: 23rd June, 1980
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Qualifications

MEDIUM OF EDUCATION: ENGLISH

MS LEADING TO PH.D.

MS (TELECOM. & NETWORKING)

- [SEP 2007 - AUG 2009] BAHRIA UNIVERSITY, ISLAMABAD, PAKISTAN
 - SUPERVISOR: ENGR. DR. ABID ALI MINHAS
 - CGPA = 3.86/4.0
 - 'A' GRADE IN MS FINAL THESIS
 - '4' INTERNATIONAL RESEARCH PUBLICATIONS OUT OF MS RESEARCH WORK

PH.D. COURSE WORK (COMPUTER SCIENCE)

- [SEP 2009 - CONTI...] BAHRIA UNIVERSITY, ISLAMABAD, PAKISTAN
 - SUPERVISOR: ENGR. DR. ABID ALI MINHAS
 - GPA = 4.0/4.0

BACHELOR OF SCIENCE-COMPUTER SCIENCE UPGRADED TO HONS. (EQ. TO MCS)

- [2005 - 2006] ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD, PAKISTAN
 - 1st Div.

MASTER OF BUSINESS ADMINISTRATION (MBA – MARKETING)

- [2003 - 2005] MOHI-UD-DIN ISLAMIC UNIVERSITY, AJK, PAKISTAN.
 - 1st Div.

BACHELOR OF SCIENCE - COMPUTER SCIENCE

- [1999 - 2002] ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD, PAKISTAN
 - 1ST DIV.

Total Credit
Hours

- | | |
|-----------------------------|-------------------------------|
| ▪ PHD (COMP SCIENCE) | 18 (COURSE WORK) + CONTI... |
| ▪ MS (TELECOM & NETWORKING) | 27 (COURSE WORK) + 6 (THESIS) |
| ▪ BS (CS) HONS. | 130 |
| ▪ MBA (MARKETING) | 73 |

Certificates

- CERTIFICATE IN BASIC ARABIC COURSE

Professional Certifications

[JAN. 2001]

- MCSE (MICROSOFT CERTIFIED SYSTEM ENGINEER)
- MCDBA (MICROSOFT CERTIFIED DATABASE ADMINISTRATOR)



ID 2419684

Research Proposal for PhD (Tentative)	<ul style="list-style-type: none"> ▪ COMPUTATIONAL INTELLIGENCE BASED OPTIMIZATION OF ENERGY-EFFICIENT ROUTING IN WIRELESS AD-HOC MICRO SENSORS NETWORK
MS Thesis Title	<ul style="list-style-type: none"> ▪ ENERGY AWARE REAL-TIME ROUTING IN WIRELESS SENSOR NETWORK
Awards and Honors	<ul style="list-style-type: none"> ▪ TRAVEL GRANT (PHOENIX PART, S. KOREA) FROM HEC FOR RESEARCH PAPER PRESENTATION IN IEEE CONFERENCE ▪ TRAVEL GRANT (CHENGDU, CHINA) FROM HEC FOR RESEARCH PAPER PRESENTATION IN IEEE CONFERENCE ▪ ACHIEVED 1ST DIVISION THROUGHOUT OF MY ACADEMIC CAREER ▪ COMPLETED MS (T&N) WITH THE MAGNA CUM LAUDE HONOR (SILVER MEDALIST). ▪ NOMINATED TO WRITE BOOK CHAPTER IN INTECH NEW BOOK PROJECT UNDER THE WORKING TITLE "WIRELESS SENSOR NETWORKS", 978-953-7619-X-X.
Subjects of Interest	<ul style="list-style-type: none"> ▪ DATA, MOBILE AND WIRELESS COMMUNICATION ▪ ADHOC NETWORKS ▪ COMPUTATIONAL INTELLIGENCE ▪ DESIGN AND ANALYSIS OF ALGORITHM ▪ OPERATIONS RESEARCH ▪ MARKETING <p>COMPUTER LANGUAGES</p> <ul style="list-style-type: none"> ▪ VISUAL BASIC ▪ C++ <p>SIMULATORS</p> <ul style="list-style-type: none"> ▪ TOSSIM
Membership	<ul style="list-style-type: none"> ▪ IEEE STUDENT MEMBER ▪ BAHRIA UNIVERSITY WIRELESS RESEARCH CENTER (http://bci.edu.pk/cse/buwrc.html)
Research Work	<p>RESEARCH PUBLICATIONS IN IEEE CONFERENCES:</p> <ul style="list-style-type: none"> ▪ SOHAIL JABBAR, ABID ALI MINHAS, RAJA ADEEL AKHTAR, MUHAMMAD ZUBAIR AZIZ, "<i>REAR: REAL-TIME ENERGY-AWARE ROUTING FOR WIRELESS SENSOR NETWORK</i>", PICOM09, (IEEE), DECEMBER 12-14, 2009, CHENGDU, CHINA. ▪ SOHAIL JABBAR, ABID ALI MINHAS, RAJA ADEEL AKHTAR "<i>SPERT: A STATELESS PROTOCOL FOR ENERGY-SENSITIVE REAL-TIME ROUTING FOR WIRELESS SENSOR NETWORK</i>", (IEEE), ICICT'09, AUGUST 15TH TO 16TH, 2009 AT IBA, KARACHI, PAKISTAN. ▪ ABID ALI MINHAS, SOHAIL JABBAR, MUHAMMAD ZUBAIR AZIZ, WAISER MAHMOOD, "<i>QERT: QUERY-BASED ENERGY-AWARE REAL-TIME ROUTING FOR WIRELESS SENSOR NETWORK</i>", (IEEE), SCALCOM'2010, 29TH JUNE – 2ND JULY, 2010, BRADFORD, UK. ▪ SOHAIL JABBAR, MUHAMMAD ZUBAIR AZIZ, ABID ALI MINHAS, DANIAL HUSSAIN "<i>PTAL: POWER TUNING ANCHORS LOCALIZATION ALGORITHM FOR</i>

WIRELESS AD-HOC MICRO SENSORS NETWORK". (IEEE), ICSS'2010, 29TH JUNE – 2ND JULY, 2010, BRADFORD, UK.

- **SOHAIL JABBAR**, AYESHA EJAZ BUTT, NAJM-US-SEHR, ABID ALI MINHAS, "TLPER: THRESHOLD BASED LOAD BALANCING PROTOCOL FOR ENERGY EFFICIENT ROUTING IN WSN", THE 13TH INTERNATIONAL CONFERENCE ON ADVANCED COMMUNICATION TECHNOLOGY (ICACT'11), 13TH TO 16TH FEB 2011, SEOUL, SOUTH KOREA

ACCEPTED:

- RABIA IRAM, IRFAN SHEIKH, **SOHAIL JABBAR**, ABID ALI MINHAS, "COMPUTATIONAL INTELLIGENCE BASED OPTIMIZATION IN WIRELESS SENSOR NETWORK", (IEEE), ICICT'09, JULY 23RD TO 24TH, 2011 AT IBA, KARACHI, PAKISTAN.
- ABDULLAH, **SOHAIL JABBAR**, SHAF ALAM, ABID ALI MINHAS "LOCATION PREDICTION FOR IMPROVEMENT OF COMMUNICATION PROTOCOLS IN WIRELESS COMMUNICATIONS: CONSIDERATIONS AND FUTURE DIRECTIONS", (IEEE), CCSIE 2011, 25TH TO 27TH JULY, 2011, LONDON, UK.

UNDER REVIEW PROCESS:

- , "TSEEC - TS/TDMA BASED ENERGY EFFICIENT CONGESTION CONTROL IN MOBILE WIRELESS SENSOR NETWORK", (IEEE), SPAIN

RESEARCH PUBLICATIONS IN ACM CONFERENCES:

- RAJA ADEEL AKHTAR, ABID ALI MINHAS, **SOHAIL JABBAR**, "AICR: ADAPTIVE INTRA-CLUSTER ROUTING FOR WIRELESS SENSOR NETWORK", (ACM), ICHIT'09, AUGUST 27TH TO 29TH, 2009, DAEJEON, KOREA.
- **SOHAIL JABBAR**, ABID ALI MINHAS, "ENERGY-AWARE REAL-TIME COMMUNICATION IN WIRELESS AD-HOC MICRO SENSORS NETWORK", (ACM), FIT 2009 PH.D. SYMPOSIUM, DECEMBER 16-18, 2009, COMSATS, ABOTTABAD, PAKISTAN.

JOURNAL:

- **SOHAIL JABBAR**, ABID ALI MINHAS, RAJA ADEEL AKHTAR, "ENERGY AWARE INTRA-CLUSTER ROUTING FOR WIRELESS SENSOR NETWORKS", INTERNATIONAL JOURNAL FOR HYBRID INFORMATION TECHNOLOGY, VOL. 3, NO. 1, JANUARY 2010.

UNDER REVIEW PROCESS:

- **SOHAIL JABBAR**, ABID ALI MINHAS, IMRAN SHAFI, SHEHZAD KHALID, "INTELLIGENT OPTIMIZATION OF ENERGY AWARE ROUTING IN WIRELESS SENSOR NETWORK THROUGH BIO-INSPIRED COMPUTING: SURVEY AND FUTURE DIRECTIONS, EURASP JOURNAL OF WIRELESS AND NETWORKS – ISI INDEXED
- AWAIS AHMAD, **SOHAIL JABBAR**, ATAUL AZIZ IKRAM, MURAD KHAN, "TSEEC - TS/TDMA BASED ENERGY EFFICIENT CONGESTION CONTROL IN MOBILE WIRELESS SENSOR NETWORK" WORLD APPLIED SCIENCE JOURNAL – ISI INDEXED

RESEARCH WORK PRESENTATION(S):

- **THE 13TH INTERNATIONAL CONFERENCE ON ADVANCED COMMUNICATION TECHNOLOGY (ICACT'11), SEOUL, SOUTH KOREA HELD ON 13TH TO 16TH FEB 2011**
- **7TH INTERNATIONAL CONFERENCE ON FRONTIERS OF INFORMATION TECHNOLOGY (FIT 2009), ABOTTABAD, PAKISTAN HELD ON 16TH – 18TH DECEMBER, 2009.**
- **8TH INTERNATIONAL CONFERENCE ON PERSVASIVE INTELLIGENCE AND COMPUTING (PICOM 2009) CHENGDU, CHINA HELD ON 12TH – 16TH DECEMBER, 2009.**

- **3RD INTERNATIONAL CONFERENCE ON INFORMATION AND COMMUNICATION TECHNOLOGY AT IBA, KARACHI, PAKISTAN HELD ON 15TH – 16TH AUGUST, 2009.**

SUPERVISOR/CO-SUPERVISOR:

Research
Projects/Thesis

COMPLETED (ALL SECURED "A" GRADE WITH ATLEAST 1 INTL' RESEARCH PUBLICATION):

- NOVEL POWER TUNING ANCHORS LOCALIZATION ALGORITHM FOR MOBILE WIRELESS SENSOR NETWORK (MS THESIS)
- TS/TDMA BASED ENERGY EFFICIENT CONGESTION CONTROL IN MOBILE WIRELESS SENSOR NETWORK (MS THESIS)
- WSN BASED ONLINE MONITORING SYSTEM (UNDERGRAD. PROJECT)

IN PROGRESS (MS THESIS):

- ACO-BASED STAGNANT FREE ENERGY EFFICIENT ROUTING IN WIRELESS SENSOR NETWORK
- COMPUTATIONAL INTELLIGENCE BASED OPTIMIZATION OF ENERGY-AWARE ROUTING IN WIRELESS SENSOR NETWORK
- ACO BASED ENERGY EFFICIENT ALGORITHM FOR LOAD BALANCED ROUTING IN WSN
- COMPARATIVE ANALYSIS OF INTELLIGENT OPTIMIZATION TECHNIQUES FOR ENERGY AWARE ROUTING IN WIRELESS SENSOR NETWORK
- SWARM INTELLIGENCE BASED MOBILITY PREDICTION OF NODES IN WIRELESS SENSOR NETWORK
- COMPUTATIONAL INTELLIGENCE BASED OPTIMIZATION OF CLUSTER BASED ROUTING IN WIRELESS SENSOR NETWORK

Reviewer

- INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS (IJDSN) - ISI INDEXED, HINDAWI PUBLISHING CORPORATION
- WORLD APPLIED SCIENCE JOURNAL (WASJ) – ISI INDEXED

Work
Experience

LECTURER

- [SEP -09 TO DATE], DEPARTMENT OF GRADUATE STUDIES AND APPLIED SCIENCES, BAHRIA UNIVERSITY, ISLAMABAD, PAKISTAN

RESEARCH GROUP LEADER

- "COMPUTATIONAL INTELLIGENCE BASED OPTIMIZATION" RESEARCH GROUP (CIORG), BUWRC, BAHRIA UNIVERSITY, ISLAMABAD

NETWORK ADMINISTRATOR

- [NOV -04 TO AUG 07], DEPARTMENT OF MATHEMATICS AND STATISTICS, UNIVERSITY OF AGRICULTURE, FAISALABAD, PAKISTAN

JUNIOR PROGRAMMER

- [2003 TO 2004], INFOSOFT, FAISALABAD, PAKISTAN
- TOOLS: VISUAL BASIC, MS ACCESS, JAVA SCRIPTING & WEB DEVELOPMENT ASSISTING TOOLS

Institutional
Management
Expertise

WORKED AS **COLLEGE PRINCIPAL**, SCHOLARS COLLEGE OF COMPUTER SCIENCES,
2001 TO 2003.

References:

ENGR. DR. ABID ALI MINHAS

(ASSOCIATE PROFESSOR AND HEAD OF DEPARTMENT, GRADUATE STUDIES
AND APPLIED SCIENCES, BAHRIA UNIVERSITY, ISLAMABAD) EMAIL:
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MUHAMMAD IRFAN SHEIKH

(IT MANAGER, PAKISTAN REVENUE AUTOMATION (PVT.) LTD, ISLAMABAD)
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MR. MAHBOOB IQBAL

(MANAGER TELECOM SYSTEMS, L T ENGINEERING & TRADE SERVICES
(PVT.) LTD., HASANABDAL), EMAIL: mahboobiqbal71@yahoo.com