

# MUHAMMAD FAHAD MUNIR



## CONTACT :

### **Mobile:**

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## DATE OF BIRTH

27<sup>th</sup> July , 1984

## FATHER'S NAME

Munir Ahmad

## MARITAL STATUS

Married

## CNIC

**11101-3930853-7**

## CAREER OBJECTIVE:

I am intended to Work in Well reputed Organization. I believe that my technical, functional and communication skills will enable me in facing the challenging career ahead.

## ACADEMIC QUALIFICATION:

Degree Name	Passing Year	University Name	CGPA
Ph. D (EE)	Research work	IIU Islamabad	3.83
MS (EE)	2012	IIU Islamabad	3.30
BS (EE)	2007	IIU Islamabad	2.80

## LECTURER

[Mar '14 ~ date] DEE/ FET IIU, Sector H-10, Islamabad

- Deliver Lectures to Undergraduate Classes

## RESEARCH ASSOCIATE

[Sep '13 ~ Feb ,14] SEecs NUST, Sector H-12, Islamabad

- Implementation of AES based voice encryption having ADPCM over FPGA for PSTN

## JUNIOR DESIGN ENGINEER

[Jan '13 ~ Aug'13] BARQI LABS

I-8/1, Street 10, House 1.

- IP based Wireless Video Transmission security system for Auto Vehicles and its PCB Design.
- Development of prototype for GPS-GSM based cycle tracking system and Position Monitoring

## BSS-ENGINEER

[Aug '11 ~ July '12] SIGNALS INTERNATIONAL

Al- Jawed Tower, Khyber-Super Market, Saddar Peshawar.

- Power measurement and monitoring.
- Rectifier installation and troubleshooting issues relating power.
- Troubleshooting and rectifying of various external alarms like: AC main failure alarm, AC over and under voltage alarms, Low fuel Alarms, Low battery alarm, Rectifier and BTS door alarm,

### **ADDRESS**

House #222/A,  
Sector A, Phase 1,  
Bannu Township  
BANNU

### **PRESENT ADDRESS**

House no 26, Street no 1,  
Mohallah Rajgan,  
Sudran road, Tarlai .  
Islamabad

### **HOBBIES/ ACTIVITIES**

- Kite Flying
- Hiking
- Traveling

- Check on various alarms of BTS for example CMB, DTRU and EAM etc.
- VSWR measurement and monitoring.
- Dismantling & TEMS generation of Motorola BTS and submission to Mobilink warehouse.
- CM & PM Coordinator on Mobilink sites under ZTE-CSS project
- Project Coordination for O&M project and Dismantling Motorola BTS

### **LAB ENGINEER**

**[May '09 ~ May '10]**

Electrical Engineering Department, Comsats Institute of Information  
Technology CIIT- Islamabad

### **MS THESIS:**

**System Identification and Time Series Prediction Using Evolutionary Computing Techniques** ( Unknown System is identified and its Future response is calculated with PSO-NN & GA-NN and Performance comparison is done in terms of MSE based on given air pollution data set)

### **MATLAB BASED PROJECTS:**

- Adaptive Noise cancellation by using LMS Algorithm
- Channel Estimation and Future Response Calculation by using Swarm Optimization Techniques.
- Comparative Analysis of Neural Networks with Genetic Algorithm for Highly Non Linear Chaotic Data
- Implementation of LDPC Codes over Different Wireless Communication Channels and their performance Comparison
- Object Tracking in .avi Video by Using Mean Shift Algorithm
- Implementation of Adaptive Beam former for Estimation of Direction of arrival
- Analysis and design of systems with time delay
- Direction of arrival estimation by using Evolutionary computing techniques

### **SEMINARS:**

- Introduction to Compressed Sensing (1 CPD point)
- Nuclear Power plant engineering (1 CPD point)
- ICISE 2016 tutorial workshop (1 CPD point)
- 2G to 3G conversion and 4G concepts. (by Warid Telecom)
- Seminar on Project Management and have a certificate .( F.M.S,IIUI)

### **MEMBERSHIPS:**

- Pakistan Engineering Council.(Electro-9060 May 2008)
- IEEE Professional member

### **RESEARCH PUBLICATIONS:**

1. Atif Elahi, I.M Qureshi, Fawad Zaman, **Fahad Munir**, Ihsan-ul-Haq, "Reduction of out of band radiation in Non-Contiguous OFDM based cognitive radio system using heuristic techniques", **Journal of Information Science and Engineering**, 2016
2. Atif Elahi, I.M Qureshi, Fawad Zaman, Fahad Munir, Adnan Umar, "Techniques for the suppression of sidelobes in a non-contiguous orthogonal frequency division multiplexing framework", *Journal of Applied Informatics* December 2016, 3:6
3. Fawad Zaman, I.M.Qureshi, Fahad Munir and Z.U. Khan, "4D parameters estimation of plane waves using swarming intelligence," *Chinese Physics B*, Paper-ID 132170, 2013.
4. Zafaulah khan, Aqdas Naveed malik, Fawad zaman and Fahad Munir, "Efficient Sidelobe Suppression by Matching Beams in Two Polynomial Technique", *ICISE*, 2016
5. Athar waseem, Aleem Khaliq, Rehan Ahmad and Fahad Munir, "Channel Equalization for MII-FDNC system", *ICISE* 2016
6. Aleem Khaliq, Athar waseem, Fahad Munir and rehan Ahmad,"Comparision of adaptive noise cancellation for ECG signals in wireless Bio telemetry systems", *ICISE* 2016