

Dr. Arbab Waheed Ahmad

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Education

- Ph.D. (2016) in Electronics and Communications Engineering, Hanyang University, Seoul, South Korea.
Dissertation title: Context-Aware Uplink Resource Allocation in 4G LTE-Advanced Heterogeneous Networks.
- MSc (2012) in Electronics, Electrical, Control, & Instrumentation Engineering, Hanyang University, Seoul, South Korea.
Thesis title: Ubiquitous Sensor Network based Automatic Waste Collection System
- BSc (2008) in Electrical Engineering, UET Peshawar
FYP title: The GSM based portable Security System

Experience

1: Teaching Experience:

- January 2020 to date working as Assistant professor in the Department of Electrical and Computer Engineering, PAF-IAST, Haripur, Khyber Pakhtunkhwa, Pakistan.
- August 2016 to January 2020, worked as Assistant Professor in department of Electrical Engineering, CECOS University of IT and Emerging Sciences, Khyber Pakhtunkhwa. Have teaching experience in communication subjects i.e., Communication Systems, Digital Communications, Computer Communication Networks, Data Communications, Wireless Communication, Emerging Technologies in Communication Engineering, Telecom Networks, Cellular Networks.
- April 2009 to March 2010, worked as Lecturer in department of Electrical Engineering, UET Peshawar.

2: Research Supervision Experience:

- More than 30 M.S scholars have been successfully Supervised at Department of Electrical Engineering, CECOS University.

Projects & Awards

- Received HEC scholarship for Master Program, Batch VII, Hanyang University, South Korea.

Selected Publications

21 International Publications in ISI indexed journals, *h*-index 9:

- B Rehman, A Waheed Ahmad, et al. Joint power control and user grouping for uplink power domain Non-orthogonal multiple access. International Journal of Distributed Sensor Networks, 2021
- Raheel, K.; Altaf, A.; Waheed, A.; Kiani, S.H.; Sehrai, D.A.; Tubbal, F.; Raad, R. "E-Shaped H-Slotted Dual Band mmWave Antenna for 5G Technology". Electronics 2021, 10, 1019. <https://doi.org/10.3390/electronics10091019>
- A. Iqbal, A. W. Ahmad, A. Smida and N. K. Mallat, "Tunable SIW Bandpass Filters with Improved Upper Stopband Performance," in IEEE Transactions on Circuits and Systems II: Express Briefs. doi: 10.1109/TCSII.2019.2936495
- A. Iqbal, O. A. Saraereh, A. W. Ahmad and S. Bashir, "Mutual Coupling Reduction Using F-Shaped Stubs in UWB-MIMO Antenna," in IEEE Access, vol. PP, no. 99, pp. 1-1. doi:10.1109/ACCESS.2017.2785232
- M. A. Khan, N. Saeed, A. W. Ahmad and C. Lee, "Location Awareness in 5G Networks Using RSS Measurements for Public Safety Applications," in IEEE Access, vol. 5, pp. 21753-21762, 2017. doi:10.1109/ACCESS.2017.2750238
- Arbab Waheed Ahmad, Heekwon Yang, Gul Shahzad, and Chankil Lee, "Macrocells-User Protected Interference-Aware Transmit Power Control for LTE-A Heterogeneous Networks," Mobile Information Systems, vol. 2016, Article ID 7043235, 12 pages, 2016. doi:10.1155/2016/7043235
- Arbab Waheed Ahmad, HeekwonYang, Chankil Lee, "Maximizing Throughput with Wireless Spectrum Sensing Network Assisted Cognitive Radios" International Journal of Distributed Sensor Networks ,Vol 11, Issue 6, 2015. doi: 10.1155/2015/195794