

Muhammad Ahsen
PhD Fellow
Department of Electronic Systems
The Technical Faculty of IT and Design
Wireless Communication Networks
Dependable Wireless Communications
Type of address: Visiting address.
Fredrik Bajers Vej 7A
9220
Aalborg Øst
Denmark
Email: muah@es.aau.dk
Phone: +4599409778



Employment

PhD Fellow
PhD Fellow
Department of Electronic Systems
The Technical Faculty of IT and Design
Aalborg, Denmark
1 Feb 2023 → 31 Dec 4712

Qualifications

Wireless Communication, PhD
1 Feb 2023 → ...
Electrical Engineering, MS, National University of Sciences and Technology Pakistan
Sept 2013 → Feb 2016
Electrical (Telecommunication), BE, National University of Sciences and Technology Pakistan
Sept 2009 → Jul 2013

Research outputs

Boosting XR Capacity Through Multi-Connected XR Tethering Groups With Selection Combining
Ahsen, M., Yanakiev, B., Rosa, C. & Adeogun, R. O., 2025, (Accepted/In press) *IEEE International Symposium on Personal, Indoor and Mobile Radio Communications*. IEEE (Institute of Electrical and Electronics Engineers)

Enhancing Multi-Connected XR Device Performance With Soft Combining and Joint HARQ Processing in Cooperative Multicast
Ahsen, M., Yanakiev, B., Rosa, C. & Adeogun, R., 2025, In: *IEEE Open Journal of the Communications Society*. 6, p. 2438-2452 15 p., 10946992.

Cooperative Multicast for Multi-Connected XR Devices with Joint HARQ Processing
Ahsen, M., Yanakiev, B. R., Rosa, C., Manchon, C. N. & Adeogun, R., 5 Sept 2024, *2024 IEEE 35th International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC)*. IEEE (Institute of Electrical and Electronics Engineers), p. 1-6 6 p. 10817332

On the ratio of exponential and generalized gamma random variables with applications to ad hoc SISO networks
Ahsen, M. & Hassan, S. A., 2 Jul 2016, *2016 IEEE 84th Vehicular Technology Conference, VTC Fall 2016 - Proceedings*. IEEE Signal Processing Society, 7881127. (IEEE Vehicular Technology Conference, Vol. 0).

Propagation modeling in large-scale cooperative multi-hop Ad hoc networks
Ahsen, M., Hassan, S. A. & Jayakody, D. N. K., 2016, In: *IEEE Access*. 4, p. 8925-8937 13 p., 7769218.

A poisson point process model for coverage analysis of multi-hop cooperative networks
Ahsen, M. & Hassan, S. A., 2 Oct 2015, *IWCMC 2015 - 11th International Wireless Communications and Mobile Computing Conference*. IEEE Signal Processing Society, p. 442-447 6 p. 7289124. (IWCMC 2015 - 11th International

Wireless Communications and Mobile Computing Conference).