



Name: Reem Akasha
Rank: Instructor - Electrical & Electronics Engineering

Personal Information

Nationality: Jordanian
AU Joining Date: Oct 2020
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Professional Information

Education:	- Bachelor of Science in Electrical Engineering Kuwait University [Dec 2019]. - Master of Science in Electrical Engineering Kuwait University [April 2025].
Specialization:	Electrical Engineering - Optimization in Wireless Communication Networks
Current Academic Position:	Instructor - Electrical & Electronics Engineering
Current Professional Positions:	NA
Previous Administrative Position Held:	NA
Previous Academic Positions Held:	Lab Engineer, Australian University [2020 - 2025]
Fellowships And Honors:	NA
Teaching Experience:	- Instructor, Australian University [2025 - Present]. - Lab Engineer, Australian University [2020 - 2025].

Industrial And Technical Experience:	NA
Research Interest:	• Wireless Communication. • Resource Allocation Optimization in Wireless Communication. • Machine Learning and Artificial Intelligence applications in Wireless Communication Networks. • Antennas for Communication. • Microwave Engineering. • Renewable Energy.
Research Grants:	NA
Research and Publications including Journal and Books:	• Akasha, R. and Baidas, M. (2025), Joint Antenna Selection and Power Allocation for Clustered Downlink NOMA Networks With Alamouti Space-Time Block Coding. Int J Commun Syst, 38: e70125. https://doi.org/10.1002/dac.70125 • R. T. Akasha and M. W. Baidas, "A Matching-Theoretic Approach to Antenna Selection in Alamouti STBC-Based Clustered NOMA Networks," 2023 21st International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt), Singapore, Singapore, 2023, pp. 472-478, doi: 10.23919/WiOpt58741.2023.10349829.
Paper Presentations at Professional Conferences:	• A Matching-Theoretic Approach to Antenna Selection in Alamouti STBC-Based Clustered NOMA Networks.
College Service including committee Membership:	• Prepared and delivered AU Junior Engineering Summer Camp [2025]. • Supervised course field trips for Communication Engineering students [2025]. • Supervised AU students at the Vex National Robotics Competition [2024].
National Service:	NA
College Committees:	• Labs Committee. • Activities and Events Committee.