



صورة رسمية

Dr. Reem Aldebes

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Faculty of Information Technology / AI

Academic Rank: Assistant Professor

Membership:

1	A member of The Jordanian Engineers Association.
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Qualifications:

1	2018-2024 Ph.D. in Communications Engineering - Artificial Intelligence for Future Networks Universiti Malaya (University of Malaya) - Kuala Lumpur, Malaysia Dissertation: Energy-Efficient Power Allocation for Downlink Non-Orthogonal Multiple Access Networks Based on Game Theory and Genetic Algorithm. Supervisors: Prof. Ir. Dr. Kaharudin Dimiyati & Dr. Effariza Hanafi
2	2004-2008 M.Eng in Electrical - Communications Engineering University of Jordan- Amman, Jordan Thesis: Investigation ICA Algorithms. Supervisor: Prof. Dr. Dia'a Abu Nadi
3	1994-2000 B.Eng. in Electrical - Communications and Electronics Engineering Applied Science Private University - Amman, Jordan



Teaching Experience:

#	From	To	Job description
1	2008	2025	Lecturer and Lab Supervisor, Department of Electrical Engineering, Faculty of Engineering, University of Jordan, Jordan
2	2010	2017	Lecturer, Department of Engineering, Arab University College of Technology, Amman, Jordan
3	2007	2010	Lecturer, Department of Engineering, Al-Arabia Community College, Amman, Jordan
4	2003	2007	Lecturer, Department of Engineering, Luminus Technical University, Amman, Jordan
5	2004	2005	Chairman of Academic Department Department of Engineering, Luminus Technical University, Amman, Jordan

Publications:

#	Title	Publisher	Year/ Issue (Vol/No)
1.	Multi-Stage Algorithm for Energy Efficiency and Data Rate Trade-off in Imperfect CSI Downlink NOMA Systems.	Telecommunication Syst.	vol. 88, no. 4, 2025.
2.	Genetic Algorithm for Optimizing Energy Efficiency in Downlink mmWave NOMA System with Imperfect CSI.	Symmetry.	vol.14, no.11, pp. 2345-2363, 2022.
3.	Game-theoretic power allocation algorithm for downlink NOMA cellular system.	Electronics Letters.	vol. 55, no. 25, pp. 1361-1364, 2019.
4.	Energy-Efficient Power Allocation for Imperfect CSI Downlink NOMA System.	ASEAN Engineering Journal	vol. 11, no. 2, pp. 118-129, 2021.

**Books:**

#	Book Title	Publisher	Year
1.	Maintenance of Office Equipment (Technical Drawing) for Twelfth Grade, Industrial Branch".	Jordanian Ministry of Education	2022
2.	Maintenance of Office Equipment Specialized Industrial Sciences and practical Training for Twelfth Grade, Industrial Branch.	Jordanian Ministry of Education	2022
3.	General Mathematics 101.	Al Mujtama'a Al-Arabi for Printing and Publishing	2013
4.	Dynamic Engineering.	Al Mujtama'a Al-Arabi for Printing and Publishing	2012
5.	Electrical Circuits Analysis.	Al Mujtama'a Al-Arabi for Printing and Publishing	2011
6.	Practical Experiments of Measurements and Electricity.	Al Mujtama'a Al-Arabi for Printing and Publishing	2009
7.	Digital Communications.	Al Mujtama'a Al-Arabi for Printing and Publishing	2010
8.	Telecommunication Systems	Al Mujtama'a Al-Arabi for Printing and Publishing	2008
9.	Practical Experiments of Digital Communications.	Al Mujtama'a Al-Arabi for Printing and Publishing	2007
10.	Practical Experiments of electronics	Al Mujtama'a Al-Arabi for Printing and Publishing	2006
11.	Practical Experiments of Principles of Telecommunications	Al Mujtama'a Al-Arabi for Printing and Publishing	2005
12.	Telecommunication Systems 1.	Al Mujtama'a Al-Arabi for Printing and Publishing	2005
13.	Practical Experiments of Digital Electronics"	Al Mujtama'a Al-Arabi for Printing and Publishing	2004
14.	Practical Experiments of Electrical Circuits Analysis	Al Mujtama'a Al-Arabi for Printing and Publishing	2004
15.	Principles of Telecommunications	Al Mujtama'a Al-Arabi for Printing and Publishing	2003

**Conferences:**

#	Paper Title	Organizing Institution	Conference
.1	Energy-Efficient Power Allocation for Imperfect CSI Downlink NOMA System”	University of Malaya.	The International Conference on Communication, Electrical and Computer Networks (ICCECN 2020), Kuala Lumpur, Malaysia, 2020.
.2	Robust Vertical Handover Decision based on Two Thresholds and Multiple Parameters”,	Pico Technology	2018 IEEE International RF and Microwave Conference (RFM), Penang, Malaysia, 2018.

Personal Information

Name	Reem Mustafa Aldebes	
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