

CURRICULUM VITAE

Rashed Alsakarnah

*Electrical Engineering Department / Faculty of Engineering
and Technology,
Al-Zaytoonah University of Jordan, Amman, Jordan*

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1. Personal Data

Date of Birth: 07/07/1982

Nationality: Jordanian

2. Education

- Ph.D. (Electrical and Computer Engineering) 2019, Dalhousie University, Halifax, Nova Scotia, Canada
- M.Sc. (Telecommunications Engineering) 2010, University of Technology, Sydney (UTS), Sydney, Australia
- B.Sc. (Electronics Engineering) 2005, Princess Sumaya University for Technology (PSUT), Amman, Jordan

3. Ph.D. Dissertation

- *Enhancing the Performance of Multicast Systems with Layered Transmissions,* Dalhousie University, Halifax, Nova Scotia, Canada.

4. Employment

Academic Positions

- Vice dean, Faculty of Engineering and Technology, Al-Zaytoonah University of Jordan, Amman, Jordan September 2022- Present.
- Assistant Professor, Electrical Engineering, Al-Zaytoonah University of Jordan,



QFG11/0110 - 3.1E

Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

Amman, Jordan

July 10, 2019 – now

- Teacher Assistant, Electrical Engineering, Dalhousie University, Halifax, NS
Canada
September 2012 – December, 2018

5. Research Interests

- Non-Orthogonal Multiple Access (NOMA)
- 5G
- Ad-hoc wireless networks
- Pattern Division Multiple Access (PDMA)

6. Membership in Scientific Societies and Associations

- Jordan Engineering Association (JEA)

7. Honors and Awards

- ECEGC2014: 3rd place of faculty oral presentation award.
- ECEGC2015: 1st place of faculty oral presentation award

9. Teaching Experience

- *Undergraduate Courses*

- Wireless Communications
- Analog Communications
- Digital Communications
- Communication systems
- Digital Signal processing
- Applied Physics and Electromagnetics
- Communications Electronics
- Computer Engineering Applications using Matlab
- Electric Circuit Analysis
- Probability and Random Signal Analysis

10. Membership of Committees

- **National and International**
 - *Jordan Engineering Association (JEA)*
- **University**
 - *Engineering and Technology Faculty Computer and E-learning Committee*



11. Publications

[c1]- **Alsakarnah R**, Jacek Ilow:

Superposition Coding in Alternate DF Relaying Systems with Virtual MIMO IRI Cancellation. PIMRC 2018: 1-6

[c2]- **Alsakarnah R**, Fadhel Alhumaidi, Jacek Ilow:

Increasing data rates in relay-assisted wireless multicast networks with single antenna receivers. Wireless Days 2018: 202-206

[c3]- **Alsakarnah R**, Jacek Ilow:

Fairness-Aware Pattern-Based Multiple Access for Multi-Group Multicast Systems. CSNDSP 2018: 1-5

[c4]- **Alsakarnah R**, Jacek Ilow:

Superposition coding in alternate DF relaying systems with inter-relay interference cancellation. WiMob 2017: 104-109