

## CURRICULUM VITAE

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### 1. Personal Data

Date of Birth: 15/10/1983

Nationality: Jordanian

### 2. Education

- Ph.D. (Electronic and Electrical Engineering) 2013, Leeds University, Leeds, UK
- M.Sc. (Digital Signal Processing) 2008, King's College, London, UK
- B.Sc. (Electrical Engineering) 2006, Jordan University, Amman, Jordan

### 3. Ph.D. Dissertation

*Distributed Detection, Localization, and Estimation in Time-Critical Wireless  
Sensor Networks, Leeds University, Leeds, UK.*



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#### 4. Employment

##### Academic Positions

- Assistant Professor, Alternative Energy Technology, Al-Zaytoonah University of Jordan, Amman, Jordan  
Sept, 2013 – now

##### Administrative Positions

- Chairman of Alternative Energy Technology Department, Faculty of Engineering and Technology, Al-Zaytoonah University of Jordan, Amman, Jordan – July 2017-Sept 2017.

#### 5. Research Interests

#### 6. Membership in Scientific Societies and Associations

- IEEE membership.
- IEEE Signal Processing Society membership.
- IEEE Communication Society membership.

#### 7. Honors and Awards

#### 8. Fellowships and Scholarships

- Leeds University Research Scholarship.

#### 9. Teaching Experience

- *Graduate Courses*

None.

- *Undergraduate Courses*

- Electrical Circuits Analysis (I).
- Electrical Circuits Analysis (II).
- Electronic Devices and Amplifiers (Electronics II).
- Power Electronics
- Digital Logic Design.



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- Digital Communications.
- Wireless Communications.
- Special Topics in Communications (Cellular Communications)
- Measurements and Instrumentation.
- Electric Machines and Power Systems.

#### 10. Supervision of Graduate Research

None.

#### 11. Grants

- Principal investigator of ongoing research project titled “Detection Enhancement of Pyroelectric Thermal Sensors via Signal Processing Methods”.

#### 12. Patents

None.

#### 13. Membership of Committees

- **National and International**
  - *None.*
- **University**
  - *Faculty Research Committee.*
  - *Faculty Student Disciplinary Committee.*

#### 14. Professional and Scientific Meetings

##### *Scientific Meetings Organized*

None.

##### *Participation in Scientific meetings*

- The 10<sup>th</sup> Jordan International Electrical and Electronics Engineering Conference (JIEEEEC2017). Amman, Jordan.
- Sensor Signal Processing for Defence, (SSPD 2016), 2016. Edenborough, UK.
- Wireless advanced 2012 (WiAd 2012). London, UK.
- International Conference on Acoustics Speech and Signal Processing, 2011, (ICASSP2011). Prague, Czech.
- Seventh International Symposium on Wireless Communication Systems, 2010, (ISWCS2010). York, UK.



## **15. Participation in or organization of curricular and/or extra-curricular activities**

- IEEE Jordan Section.

## **16. Publications**

- Saleh O. Al-Jazzar, Zoubir Hamici, and Sami Aldalameh, "Two-Dimensional AOA Estimation Based on a Constant Modulus Algorithm", International Journal of Antennas and Propagation Volume 2017 (2017), Article ID 3214021, 6 pages.
- E. Nurellari, D. McLernon, M. Ghogho and S. Aldalameh, "Distributed Binary Event Detection Under Data-Falsification and Energy-Bandwidth Limitation," in IEEE Sensors Journal, vol. 16, no. 16, pp. 6298-6309, Aug.15, 2016.
- Aldalameh, S. A., Ghogho, M., McLernon, D., and Nurellari, E. "Optimal fusion rule for distributed detection in clustered wireless sensor networks." EURASIP Journal on Advances in Signal Processing 2016.1 (2016): 1-12.
- Sami Aldalameh, Saleh Al-Jazzar, Yousef Jaradat, Mohammed Masoud, Zoubir Hamici, and Ismail Jannoud, "Contention Delay Distribution in Event Driven Wireless Sensor Networks", The 10<sup>th</sup> Jordan International Electrical and Electronics Engineering Conference (JIEEEEC2017).
- Aldalameh, S. A., Hamdan, A., Ghogho, M. and McLernon, D., "Enhanced-Range Intrusion Detection Using Pyroelectric Infrared Sensors", Sensor Signal Processing for Defence, (SSPD 2016), 2016.
- Al-Jazzar, S.O. and Aldalameh, S., "Relay self-interference minimisation for QAM signals," in Fourth International Conference on Future Generation Communication Technology (FGCT), 2015 , vol., no., pp.1-4, 29-31 July 2015. (Best paper award)
- Nurellari, E., Aldalameh, S., Ghogho, M. and McLernon, D., "Quantized fusion rules for energybased distributed detection in wireless sensor networks," Sensor Signal Processing for Defence (SSPD), 2014 , vol., no., pp.1,5, 8-9 Sept. 2014.
- Nurellari, E., McLernon, D., Ghogho, M., and Aldalameh, S., "Optimal quantization and power allocation for energy-based distributed sensor detection," Signal Processing Conference (EUSIPCO), 2014 Proceedings of the 22nd European , vol., no., pp.141,145, 1-5 Sept. 2014.
- Aldalameh, S. and Ghogho, M., "Traffic Estimation for MAC Protocols in Distributed Detection Wireless Sensor Networks", 20th European Signal Processing Conference 2012 (EUSIPCO 2012).
- Aldalameh, S. and Ghogho, M., "Statistical Analysis of Optimal Distributed Detection Fusion Rule in Wireless Sensor Networks", wireless advanced 2012 (WiAd 2012).
- Aldalameh, S., Ghogho, M. and Swami, A., "Real-time Distributed Detection of an Unknown Target in Clustered Wireless Sensor Networks", 2011 IEEE 12th International Workshop on Signal Processing Advances in Wireless Communications 2011, (SPAWC 2011).



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- Aldalahmeh, S. and Ghogho, M., “Robust Distributed Detection, Localization, And Estimation Of A Diffusive Target In Clustered Wireless Sensor Networks”, International Conference on Acoustics Speech and Signal Processing, 2011, (ICASSP2011).
- Aldalahmeh, S., Ghogho, M. and Swami, A., “Fast Distributed Detection, Localization, and Estimation of a Diffusive Target in Wireless Sensor Networks”, Seventh International Symposium on Wireless Communication Systems, 2010, (ISWCS2010).