

Curriculum Vitae

Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

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Nationality(-ies)

Date of birth

Gender

Amjad Yousef Majid

Delft University of Technology
Mekelweg 4
2628 CD Delft The Netherlands
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Dutch

2 March 1982

Male



Education

2015–Now

PhD candidate—Embedded Software, TU Delft, The Netherlands

2013–2015

Master of Science—Electrical Engineering, TU Delft, The Netherlands

2011–2012

Pre-master of Science—Electrical Engineering, TU Delft, The Netherlands

2000–2004

Bachelor—Electrical Engineering, University of Technology, Iraq

Patents

- [Method and system for efficient access to spectrum databases](#)

Selected Publications

- [P1] **A. Majid**, M. Jansen, G. Delgado, K. Yildirim, P. Pawełczak
[Multi-hop Backscatter Tag-to-Tag Networks](#), *IEEE INFOCOM* 2019
- [P2] K. Yildirim, **A. Majid**, D. Patoukas, K. Schaper, P. Pawełczak, J. Hester
[InK: Reactive Kernel for Tiny Batteryless Sensors](#), *ACM SenSys* 2018, in collaboration with [Northwestern University, USA](#)
- [P3] K. Yildirim, H. Aantjes, P. Pawełczak, **A. Majid**
[On the Synchronization of Computational RFIDs](#), *IEEE Transactions on Mobile Computing* (2018 in press)
- [P4] H. Aantjes, **A. Majid**, P. Pawełczak, J. Tan, A. Parks, J. Smith
[Fast Downstream to Many Computational RFIDs](#), *IEEE INFOCOM* 2017, in collaboration with [Washington University, USA](#)
- [P5] I. in't Veen, **A. Majid**, P. Pawełczak
[Reducing Energy Consumption of USB-Connected Sensors on Smartphones](#), *IEEE DySPAN* 2017

Under Submission

- **A. Majid**, P. Schilder, K. Langendoen, S. Wang
[Continuous Sensing on Intermittent Power](#), *ACM SenSys* 2019

- **A. Majid**, C. Donne, A. Colin, K. Yıldırım, B. Lucia , P. Pawelczak
Coala: Dynamic Task-Based Intermittent Execution for Energy-Harvesting Devices, *ACM Transactions on Sensor Networks (TOSN)*, in collaboration with [Carnegie Mellon University, USA](#)

Membership

- IEEE
- IEEE Communications Society

Selected Projects

- *Backscatter MAC*: A medium access control for backscatter Networks
[\[Code\]](#) [\[Video\]](#) [P1]
- *Batteryless Robot*: An intermittently powered batteryless robot
[\[Code\]](#) [\[Video\]](#) [P2]
- *STORK*: An EPC protocol extension for over the air CRFIDs updating
[\[Code\]](#) [\[Video\]](#) [P3]
- *RFID Sniffer*: A sniffer to decode all the messages between tags and readers
[\[Code\]](#) [P3]
- *PSSP*: Portable spectrum sensing platform
[\[Code\]](#) [\[Video\]](#) [P4]
- *LightMeUp*: Controlling natural and artificial room light using a smartphone.
[\[Code\]](#)[\[Video\]](#)

Academic Duties

Teaching

- Guest lecture for TU Delft [Security and Cryptography \(IN4191\)](#) on **Quantum Cryptography**, 2013 [\[slides\]](#)
- Guest lecture for TU Delft [Wireless Networking \(ET4394\)](#), 2017 [\[slides\]](#)
- Teaching assistant for [Wireless Networking \(ET4394\)](#), 2017/2018
- Teaching assistant for [IDEA League PhD School](#), 2017

Conference

- TPC Member of [IEEE International Conference on Communications \(ICC 2019\)](#)
- Presenting at: [IEEE INFOCOM'19](#), [TU Delft Exhibition 2016/2017](#), and [Internet of Thing Meetup 2016](#)

Skills

Technical

I am an embedded software and a full stack web developer.

Social

- Founder of an e-learning platform for Arabs, called [City of Knowledge](#)
- Owner of an educational [YouTube channel](#) with **+1.5 M views**
- Co-author of open [projects](#)

Languages

Arabic: mother tongue
English: fluent
Dutch: intermediate

References

- Prof. Koen Langendoen
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- Dr. RangaRao Venkatesha Prasad
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