

Curriculum Vitae

Personal information

Surname(s) / First name(s)

Address(es)

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Nationality(-ies)

Date of birth

Gender

Amjad Yousef Majid

Delft University of Technology
Mekelweg 4
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a.y.majid@tudelft.nl

Dutch

2 March 1982

Male



Education

2015–Now

2013–2015

2011–2012

2000–2004

PhD candidate—Embedded Software, TU Delft, The Netherlands

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

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

Bachelor—Electrical Engineering, University of Technology, Iraq

Selected Publications

[P1]

A. Majid, M. Jansen, G. Delgado, K. Yildirim, P. Pawelczak
[Multi-hop Backscatter Tag-to-Tag Networks](#), *IEEE INFOCOM* 2019

[P2]

K. Yildirim, **A. Majid**, D. Patoukas, K. Schaper, P. Pawelczak, J. Hester
[InK: Reactive Kernel for Tiny Batteryless Sensors](#), *ACM SenSys* 2018

[P3]

K. Yildirim, H. Aantjes, P. Pawelczak, **A. Majid**
[On the Synchronization of Computational RFIDs](#), *IEEE Transactions on Mobile Computing* (2018 in press)

[P4]

H. Aantjes, **A. Majid**, P. Pawelczak, J. Tan, A. Parks, J. Smith
[Fast Downstream to Many Computational RFIDs](#), *IEEE INFOCOM* 2017

[P5]

I. in't Veen, **A. Majid**, P. Pawelczak
[Reducing Energy Consumption of USB-Connected Sensors on Smartphones](#), *IEEE DySPAN* 2017

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]

	<ul style="list-style-type: none"> • <i>PSSP</i>: Portable spectrum sensing platform [Code] [Video] [P4] • <i>LightMeUp</i>: Controlling natural and artificial room light using a smartphone. [Code][Video]
Academic Duties	
Teaching	<ul style="list-style-type: none"> – Guest lecture for TU Delft Security and Cryptography (IN4191), 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	<ul style="list-style-type: none"> – TPC Member of IEEE International Conference on Communications (ICC 2019) – Presenting at: ICT OPEN 2017, 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	<ul style="list-style-type: none"> – Founder of an e-learning platform for Arabs, called City of Knowledge – Owner of an educational YouTube channel with +1.3 M views – Co-author of open projects
Languages	<p>Arabic: mother tongue English: fluent Dutch: intermediate</p>
References	
	<ul style="list-style-type: none"> • Prof. Koen Langendoen Delft University of Technology Mekelweg 4, Room: 05.310 2628 CD Delft The Netherlands Tel: +31 15 2787666 E-mail: K.G.Langendoen@tudelft.nl • Dr. RangaRao Venkatesha Prasad Delft University of Technology Mekelweg 4, Room: 05.070 2628 CD Delft The Netherlands Tel: +31 15 2786272 E-mail: r.r.venkateshaprasad@tudelft.nl