Curriculum Vitae

Personal information

Surname(s) / First name(s)	**Amjad Yousef Majid**
Address(es)	Delft University of Technology Van Mourik Broekmanweg 6 2628 XE Delft The Netherlands
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Email(s)	a.y.majid@tudelft.nl
Nationality(-ies)	Iraqi
Date of birth	2 March 1982
Gender	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

Selected Publications

[P1] K. Yıldırım, **A. Majid**, D. Patoukas, K. Schaper, P. Pawełczak, J. Hester
InK: Reactive Kernel for Tiny Batteryless Sensors, *ACM SenSys* 2018

[P2] K. Yıldırım, H. Aantjes, P. Pawełczak, **A. Majid**
On the Synchronization of Computational RFIDs, *IEEE Transactions on Mobile Computing* (2018 in press)

[P3] H. Aantjes, **A. Majid**, P. Pawełczak, J. Tan, A. Parks, J. Smith
Fast Downstream to Many Computational RFIDs, *IEEE INFOCOM* 2017

[P4] I. in't Veen, **A. Majid**, P. Pawełczak
Reducing Energy Consumption of USB-Connected Sensors on Smartphones, *IEEE DySPAN* 2017

[P5] H. Aantjes, **A. Majid**, P. Pawełczak
A Testbed for Transiently Powered Computers, *ASPLOS workshop* 2016

Selected Projects

- *STORK*: An EPC protocol extension for over the air software update of CRFIDs [Source Code] [Video] [P3]
- *RFID Sniffer*: A sniffer to chapture and decode all the messages exchanged between RFID tags and readers [Source Code] [P3]
- *Portable Spectrum Sensing Platform*: An integration of a SDR and a smartphone that enables protable RF spectrum sensing [Source Code] [Video] [P4]

- *Improving mobile devices access to spectrum databases*: An algorithm predicts the movement path and queries spectrum databases to grant smartphones access to unused frequencies [Source Code]

Academic Duties

Teaching

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

Others

- 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

- Founder of an e-learning platform for Arabs, called knowldge city
- Owner of an educational YouTube channel with **+1.2 M views**
- Co-author of open source projects

Languages

Arabic: mother tongue
English: fluent
Dutch: intermediate

References

- Dr. Przemysław Pawełczak
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- Prof. Koen Langendoen
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