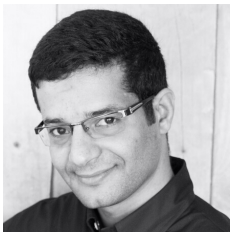
Curriculum Vitae

Personal information



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Telephone(s)	+31 616 955224
Email(s)	a.y.majid@tudelft.nl
Nationality(-ies)	Dutch
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

Patents

- Method and system for efficient access to spectrum databases

Selected Publications

[P1] **A. Majid**, M. Jansen, G. Delgado, K. Yıldırım, P. Pawełczak
Multi-hop Backscatter Tag-to-Tag Networks, *IEEE INFOCOM* 2019

[P2] K. Yıldırım, **A. Majid**, D. Patoukas, K. Schaper, P. Pawełczak, J. Hester
InK: Reactive Kernel for Tiny Batteryless Sensors, *ACM SenSys* 2018

[P3] K. Yıldırım, 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

[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. Pawełczak Coala: Dynamic Task-Based Intermittent Execution for Energy-Harvesting Devices, *ACM Transactions on Sensor Networks (TOSN)*

Membership

- IEEE
- IEEE Communications Society

Selected Projects

- *Backscatter MAC*: A mideum 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 assisstant for Wireless Networking (ET4394), 2017/2018
- Teaching assisstant 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 Knowldge
- 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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  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
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