

Mohammad M. Qabajeh, Ph.D.



Personal Information

Citizenship: Palestinian
Date of Birth: September, 1976
Gender: Male
Marital status: Married with four kids

Brief Biography:

Mohammad M. Qabajeh was born in Hebron, Palestine, in 1976. He received his B.Sc. in Computer Engineering from Palestine Polytechnic University, Palestine in 2000 and M.Sc. in Computer Engineering from Jordan University of Science and Technology, Jordan in 2006.

Between 2005 and 2008 before pursuing his study, he was primarily involved in academic teaching and research in different local universities.

He received his PhD in Computer Engineering from International Islamic University Malaysia, Malaysia in 2012. His current research interests are Distributed Systems, Routing protocols, wireless networks and Ad Hoc Networks. He published more than 20 papers in international journals and conferences. He is a reviewer for many ISI journals. Currently, He is the Deputy Dean of Development and Community service in PTUK-Arroob Branch in addition to his academic teaching load.

Education

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| 2008-2012 | International Islamic University Malaysia | Malaysia |
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Ph.D., Computer Engineering - Wireless Computer Networks

Obtained Rector Scholarship

Thesis title: "Scalable Quality of Service Multicast Routing Protocol for Mobile Ad Hoc Networks". June, 2012

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| 2003-2005 | Jordan University of Science and Technology | Jordan |
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Msc., Computer Engineering

Thesis title: "A Hierarchical Configurable Algorithm for Load Balancing on Multilevel Tree Network". December, 2005.

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| 1995-2000 | Palestine Polytechnic University | Palestine |
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Bsc., Computer Engineering

Professional experience

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| 2018-2019 | Vice Dean of Development and Community Service | PTUK-AI-rroob Palestine |
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| 2013- to date | Lecturer | Palestine Technical University Kadoorie , AI-rroob Palestine |
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(2006-2008)

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| (2012- to date) | Part Time Lecturer | Alquds Open University |
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Teaching the following courses:

- Networks programming
- Data Communication using networks
- Graduation Project 1
- Graduation Project2
- Introduction to Computers
- Simulation
- AI

2012 - 2013 Head of Administrative Affairs Arab Relations Commission & The People's Republic of China

2006-2008 Part Time Lecturer Palestine Polytechnic University,
Hebron University and Alquds Open University

Teaching the following courses:

- Software Engineering
- Computer Networks
- Computer Applications
- C Organization
- Introduction to Computers

2006-2008 Computer Engineer Hebron File/ with Mr. Abbas Zaki (Palestinian Leader)

2001- 2004 Network Administrator Palestinian Legestive Council Palestine

2000-2001 Working in a Telemedicine pilot project to establish a connection between two hospitals in Hebron, Palestine using Cisco routers and leased lines

Research Interests

- Wireless networking and mobile computing
- Distributed systems
- Networking
- Routing protocols
- Microcontrollers
- Internet of Things

Publications

Journals

- 1) Mohammad M. Qabajeh, Liana K. M. Qabajeh, Nov. 2019. A Survey and Comparative Study for Performance Evaluation Technologies for Wireless Networks, IJCSNS International Journal of Computer Science and Network Security, VOL. 19 No. 10, pp. 43-50, Nov. 2019. [Refereed Journal]
- 2) Mohammad M. Qabajeh, Feb. 2018. Scalable Location Aware Multicasting Protocol for Mobile Ad hoc Networks, IJCSNS International Journal of Computer Science and Network Security, VOL. 18 No. 1, 224-23, Jan 2018. [Refereed Journal]

- 3) Mohammad M. Qabajeh, Aisha H. Abdalla, Othman O. Khalifa, Liana K. Qabajeh (Aug. 2014). A Survey on Scalable Multicasting in Mobile Ad Hoc Networks. Springer, *Wireless Personal Communications*. 77(4), pp. 1-25 . [ISI/SCOPUS: IF=0.968] DOI>10.1007/s11277-014-2016-4
- 4) Mohammad, Q., Aisha, A., Othman, K., & Liana, Q. (April 2011). A Cluster-based QoS Multicast Routing Protocol for Scalable MANETs. *KSII Transaction on Internet and Information Systems*, 5(4), pp. 741-762. [ISI/SCOPUS: IF=0.165]
- 5) Mohammad, Q., Aisha, A., Othman, K., & Liana Q. & Jamal I. Daoud (Jan 2012). Performance Evaluation in MANETs Environment. *Australian Journal of Basic and Applied Sciences*, 6(1), pp. 143-148. [ISI]
- 6) Mohammad, Q., Aisha, A., Othman, K., & Liana, Q. (2012). Position-Based Multicast Routing in Mobile Ad hoc Networks: An Analytical Study. *KSII Transaction on Internet and Information Systems*. [ISI/SCOPUS IF=0.165]
- 7) Mohammad, Q., Aisha, A., Othman, K., & Liana, Q. (2012). An Efficient Self-Mapping Algorithm for Hexagon-based Gridding in Mobile Ad hoc Networks. *Advances in Electrical and Computer Engineering*. [ISI IF= 0.7] [Accepted].
- 8) Mohammad, Q., Aisha, A., Othman, K., & Liana, Q. (Sept. 2010). Geographical Multicast Quality of Service Routing Protocol for Mobile Ad-Hoc Networks. *Journal of Engineering Letters*, 18(3), pp. 212-225. [SCOPUS]
- 9) Mohammad, Q., Aisha, A., Othman, K., & Liana, Q. (Dec. 2008). Review of Multicast QoS Routing Protocols for Mobile Ad Hoc Networks. *International Journal of Computer Science and Network*, 8(12), 108-117. [Refereed Journal]
- 10) Miss Laiha Mat Kiah, Liana K. Qabajeh & Mohammad M. Qabajeh, (To be published 2012), 'Unicast Position-Based Routing Protocols for Ad-Hoc Networks', *Acta Polytechnica Hungarica (Journal of Applied Sciences)*. [ISI]
- 11) Liana K. Qabajeh, Miss Laiha Mat Kiah & Mohammad M. Qabajeh, 2009, 'A Scalable and Secure Position-Based Routing Protocol for Ad-Hoc Networks', *Malaysian Journal of Computer Science*, 22(2), pp. 99-120. [ISI]
- 12) Liana K. Qabajeh, Miss Laiha Mat Kiah & Mohammad M. Qabajeh, 2009, 'A Qualitative Comparison of Position-Based Routing Protocols for Ad-Hoc Networks', *International Journal of Computer Science and Network Security*, 9 (2), pp. 131-140. [Refereed Journal]

Conferences

- 1) Mohammad, Q., Aisha, A., Othman, K., & Liana, Q. (2011, 17-19 May). A Tree-based QoS Multicast Routing Protocol for MANETs. Paper presented at the *4th International Conference On Mechatronics (ICOM 2011)*, Kuala Lumpur.
- 2) Mohammad, Q., Aisha, A., Othman, K., & Liana, Q. (2010, 29-30 November). A Tree-based QoS Multicast Routing Protocol for MANETs. Paper presented at the *Annual International Conference on Network Technologies & Communications (NTC 2010)*, Phuket, Thailand.

- 3) Mohammad, Q., Aisha, A., Othman, K., & Liana, Q. (2010, 11-13 May). Position-based QoS Multicast Routing Protocol for Mobile Ad Hoc Networks. Paper presented at the *International Conference on Computer and Communication Engineering (ICCCE 2010)*, Kuala Lumpur, Malaysia.
- 4) Mohammad, Q., Aisha, A., Othman, K., & Liana, Q. (2009 13-15 November). Quality of Service Multicast Routing Protocol for Large Scale MANETs. Paper presented at the *International Conference on Computer Technology and Development (ICCTD 2009)*, Kota Kinabalu, Malaysia.
- 5) Mohammad, Q., Aisha, A., Othman, K., & Liana, Q. (2009, 11–18 May). Geographical Multicast QoS Routing Protocol for Mobile Ad Hoc Networks. Paper presented at the *International Engineering Convention Conference “IntEC2009”* Damascus, Syria.
- 6) Liana K. Qabajeh, Miss Laiha Mat Kiah & Mohammad M. Qabajeh, 2010, ‘A Scalable and Secure Position-Based Routing Protocol for MANETs’, Paper presented at the *Annual International Conference on Network Technologies & Communication (NTC 2010)*, 29-30 November, Phuket Beach Resort, Thailand, pp. N7-N12.
- 7) Liana K. Qabajeh, Miss Laiha Mat Kiah & Mohammad M. Qabajeh, 2009, ‘A Scalable Secure Routing Protocol for MANETs’, Paper presented at the *International Conference on Computer Technology and Development (ICCTD 2009)*, 13-15 November, Kota Kinabalu, Malaysia, pp. 143-147.
- 8) Liana K. Qabajeh, Miss Laiha Mat Kiah & Mohammad M. Qabajeh, 2009, ‘A Scalable, Distributed and Secure Routing Protocol for MANETs’, Paper presented at the *International Conference on Computer Engineering and Applications (ICCEA 2009)*, 6-8 June, Manila, Philippine, pp. 51-56.

Scholarships

Recipient, Rector Scholarship, International Islamic University Malaysia

Research Assistant Scholarship from International Islamic University Malaysia

Recipient, ASAI Scholarship, Arab Student Aid International Association

Awards

- **Bronze medal**, 21st International Invention, Innovation and Technology Exhibition 2010 (ITEX 2010), 14-16 MAY 2010.

- **Silver medal**, IIUM, Invention and Innovation Exhibition 2010.

- **Bronze medal**, IIUM, Invention and Innovation Exhibition 2012.

Training courses

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| Refreshing Course Know About Business (KAB) | 23-29/6/2018 | The Palestinian Ministry of Education and Higher Education (MoEHE) and the Palestine for Development Foundation (PsDF) |
| Know About Business (KAB) | 4-17/7/2017 | The Palestinian Ministry of Education and Higher Education (MoEHE) and the Palestine for Development Foundation (PsDF) |

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|---|-----------|---------------------|-----------------------------------|
| Effective Proposal Writing and Fundraising Strategies | 6 Hours | 11-11-2017 | Palestinian Engineers Association |
| MCSE Engineer | 220 Hours | SEP 2001 – JUN 2002 | Palestine Polytechnic University |
| Computer skills for the E-World | 120 Hours | OCT 2002- NOV 2002 | CMC Limited, New Delhi, INDIA |
| Windows 2K Server | 24 Hours | FEB 2001 – FEB 2001 | Palestine Polytechnic University |
| Visual Basic | 40 Hours | JUN 2000 – AUG 2000 | Universal Computer Technology |
| Oracle 9i | 80 Hours | SEP 2000 – OCT 2000 | Arab Technology Systems |

Workshops, Entrepreneurship

| Event title | Organizer | Date |
|---|--|--------------|
| 8th Students Innovation Conference (Evaluator) | PPU | 23/10/2019 |
| Career Guidance for university students (Speaker) | PTUK | 30/9/2019 |
| ROMOR Mobility Programme (Erasmus +) (Research Output Management in PS Higher Education) | Vienna Technical University | 6-13/9/2019 |
| Coaching University Staff in Hebron | | |
| Municipal Partnership Cooperation Mannheim-Hebron Foster Entrepreneurship within your University | Corian Center- Hebron Municipality Incubator | 12-13/2/2019 |
| Career Guidance for university students (Speaker) | PTUK | 11/2/2018 |
| ToT for Vocational and Career Guidance for university students | PPU | 24-11-2018 |
| The 2nd Undergraduate Research and Innovation Conference in Engineering and Information Technology | PTUK | 2-3/4/2017 |
| The standard process of curriculum development approach workshop | MOHE/Rammalleh | |

Membership

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| 2018-2021 | Palestinian Engineers Association/ scientific Committee (25-26/11/2019) |
| 2018-2019 | Scientific Committee of the 2 nd International Conference on Civil Engineering |
| 2018-2019 | Organizing committee for the 2 nd International Conference on Civil Engineering-Palestine (organized by Palestinian Engineers Association) http://www.iccepalestine.com |
| 2019 | The national Volunteer Conference/ Ministry of Health/ Organizing Committee |
| 2014-2018 | Employees Committee/ PTUK-Arroub Branch |

Languages

Reading, speaking, and writing in Arabic and English.

References

Available Upon Request.

Contact

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m_qabajeh@yahoo.com

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| :H-index (Google Scholar) | Citations 134 , H-index 6 |
| Google Scholar Profile | https://scholar.google.com/citations?user=5ZTn7woAAAAJ&hl=en |

Facebook: <https://www.facebook.com/mohammad.qabajeh>