

Liana Khamis Qabajeh, Ph.D.

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Personal Information:

Nationality: Palestinian.
Place of birth: Hebron, Palestine.
Date of birth: 24-8-1977.
Gender: Female.
Marital status: Married.

Brief Biography:

Liana Khamis Qabajeh was born in Hebron, Palestine, in 1977. She received her B.Sc. degree in Computer Systems Engineering from Palestine Polytechnic University (PPU), Hebron, Palestine in 2000 and joined the Engineering and Technology Faculty, PPU, as a research and teaching assistant.

In 2003 she was awarded a DAAD-scholarship to continue her education in Jordan. She received her M.Sc. in Computer Engineering from Jordan University of Science and Technology, Irbid, Jordan in 2005. Between 2005 and 2008 before pursuing her study, she was primarily involved in academic teaching and research in PPU.

In 2008 she was awarded an IDB-scholarship to attain her Ph.D. degree in Malaysia. She obtained her Ph.D. in Computer Science from University of Malaya, Kuala Lumpur, Malaysia in 2012.

Her research interests include distributed systems and wireless networks. She is particularly interested in Quality-of-Service (QoS) and security issues in Ad-Hoc networks routing protocols.

Scientific Interests:

- Wireless networks.
- Ad-Hoc networks routing protocols.
- Network security.
- Provision of end-to-end QoS.
- Distributed systems.

Education:

Ph.D. degree in Computer Science	University of Malaya, Kuala Lumpur, Malaysia		2012
M.Sc. degree in Computer Engineering	Jordan University of Science and Technology, Irbid, Jordan	87%	2005
B.Sc. degree in Computer Systems Engineering	Palestine Polytechnic University, Hebron, Palestine	92.3%	2000
General Secondary Certificate-Scientific Branch	Hebron Girls Secondary School, Hebron, Palestine	94.9%	1995

Training Courses:

MCSE Engineer	220 Hours	SEP 2001 – JUN 2002	Palestine Polytechnic University
Windows 2K Server	24 Hours	FEB 2001 – FEB 2001	Palestine Polytechnic University
A+	120 Hours	JAN 2001 – JUN 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

Professional Experience:

2005-2008 Instructor, Palestine Polytechnic University, Hebron, Palestine.

Teaching the following courses:

- Introduction to computers.
- Programming in C language.
- Artificial intelligence.
- Image processing.

- Special topics in programming.

2000-2003 Research and Teaching Assistant, Palestine Polytechnic University, Hebron, Palestine.

Teaching an introduction to computers course.

Supervision of the following computer laboratories:

- Programming in C language.
- Data structure.
- Oracle.
- Programming in Assembly language.
- Matlab.
- Digital lab.

- Computer networks.

1999-2000 Student Work and Research Assistant.

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

Supervision of many Matlab laboratories.

Selected Publications:

Journals:

- Liana K. Qabajeh, Miss Laiha Mat Kiah & Mohammad M. Qabajeh, 2011, 'Secure Unicast Position-Based Routing Protocols for Ad-Hoc Networks', *Acta Polytechnica Hungarica (Journal of Applied Sciences)* Vol. 8, No. 6, pp.191-214.
(ISI-indexed publication)
- Miss Laiha Mat Kiah, Liana K. Qabajeh & Mohammad M. Qabajeh, 2010, 'Unicast Position-Based Routing Protocols for Ad-Hoc Networks', *Acta Polytechnica Hungarica (Journal of Applied Sciences)* Vol. 7, No. 5, pp.19-46.
(ISI-indexed publication)
- Mohammad M. Qabajeh, Aisha Hashim, Othman Khalifa & Liana K. Qabajeh, 2010, 'Geographical Multicast Quality of Service Routing Protocol for Mobile Ad-Hoc Networks', *Journal of Engineering Letters*, Vol. 18, No. 3, pp. 212-225.
(Scopus-indexed publication)
- 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*, Vol. 22, No. 2, pp. 99-120.
(ISI-indexed publication)
- 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*, Vol. 9, No. 2, pp. 131-140.
(Refereed publication)

- Aisha Hashim, Mohammad M. Qabajeh, Othman Khalifa & Liana K. Qabajeh, 2008, 'Review of multicast qos routing protocols for mobile ad hoc networks', *International Journal of Computer Science and Network Security*, Vol. 8, No. 12, pp. 108-117.
(Refereed publication)

Conferences:

- Liana K. Qabajeh, Miss Laiha Mat Kiah & Mohammad M. Qabajeh, 2010, 'A Scalable and Secure Position-Based Routing Protocol for MANETs', *proceedings of the Annual International Conference on Network Technologies & Communication (NTC 2010)*, 29-30 November, Phuket Beach Resort, Thailand, pp. N7-N12.
- Mohammad M. Qabajeh, Aisha Hashim, Othman Khalifa & Liana K. Qabajeh, 2010, 'A Tree-based QoS Multicast Routing Protocol for MANETs', *proceedings of the Annual International Conference on Network Technologies & Communications (NTC 2010)*, 29-30 November, Phuket Beach Resort, Thailand, pp. N1-N7.
- Mohammad M. Qabajeh, Aisha Hashim, Othman Khalifa & Liana K. Qabajeh, 2010, 'Position-based QoS Multicast Routing Protocol for Mobile Ad Hoc Networks', *proceedings of the International Conference on Computer and Communication Engineering (ICCCE 2010)*, 11-13 May, Kuala Lumpur, Malaysia, pp.136-142.
- Liana K. Qabajeh, Miss Laiha Mat Kiah & Mohammad M. Qabajeh, 2009, 'A Scalable Secure Routing Protocol for MANETs', *proceedings of the International Conference on Computer Technology and Development (ICCTD 2009)*, 13-15 November, Kota Kinabalu, Malaysia, pp. 143-147.
- Mohammad M. Qabajeh, Aisha Hashim, Othman Khalifa & Liana K. Qabajeh, , 2009, 'Quality of Service Multicast Routing Protocol for Large Scale MANETs', *proceedings of the International Conference on Computer Technology and Development (ICCTD 2009)*, 13 - 15 November, Kota Kinabalu, Malaysia, pp.136-140.
- Liana K. Qabajeh, Miss Laiha Mat Kiah & Mohammad M. Qabajeh, 2009, 'A Scalable, Distributed and Secure Routing Protocol for MANETs', *proceedings of the International Conference on Computer Engineering and Applications (ICCEA 2009)*, 6-8 June, Manila, Philippine, pp. 51-56.

Book Chapters:

- Liana K. Qabajeh, Miss Laiha Mat Kiah & Mohammad M. Qabajeh, 2011, 'A Survey of Position-Based Routing Protocols for Ad-Hoc Networks', (DOI: 10.1007/978-1-84996-510-1_4), Book chapter in Liljana Gavrilovska, Srdjan Krco, Veljko Milutinovic, Ivan Stojmenovic, Roman Trobec, *Application and Multidisciplinary Aspects of Wireless Sensor Networks: Concepts, Integration, and Case Studies*, (ISBN 976-1-84996-509-5), part 1, pp. 47-83, Springer.

Scholarship Awarded:

- Palestinian higher education ministry scholarship to pursue B.Sc. degree.
- DAAD-scholarship to pursue M.Sc. degree.
- IDB-scholarship to attain Ph.D. degree.

Languages:

- Arabic (Mother tongue).
- English (Fluent).

Current Contact:

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