

Contact Info:

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**Biographical
sketch
(Academic Degrees-
Fellowships and
Associations)**

The Ohio State University, Columbus, Ohio, June 1995

Ph.D. in Computer Engineering

Dissertation: Analysis and Performance of Priority and Switching in Local Area Networks. Research Areas: Communication Networks, Distributed Systems, and High Speed Networks.

The Ohio State University, Columbus, Ohio, September 1988

M.Sc. in Computer Engineering

	<p><u>University of Alexandria</u>, Egypt, January 1986</p> <p>M.Sc. in Computer Science & Automatic Control</p> <p>Thesis: Performance Evaluation of Disk Storage Systems.</p> <p><u>University of Alexandria</u>, Egypt, June 1982</p> <p>B.Sc. in Computer Science & Automatic Control</p>
<p>publications</p>	<p><i>Osama Abualkhair, Amr Elsaadany, "Multipath Adaptive Periodic Threshold-sensitive Energy Efficient Protocol for Wireless Sensor Networks," Proceedings of the Sixth International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN), IEEE Xplore, Macedonia, 2014.</i></p> <p><i>Osama Abualkhair, Amr Elsaadany, "Hierarchal Energy Efficient Network Protocol for Wireless Sensing," Proceedings of the tenth International Computer Engineering Conference (ICENCO), Cairo, 2014.</i></p> <p><i>Karim Abbas, Amr Elsaadany, "Adaptive User Interface</i></p>

Development for E-Learning Platform,” Proceedings of the Fourth International Conference on Information Communications Technology (ICT2014), Alexandria, 2014.

Khaled Mousa, Amr Elsaadany, "Efficient Adaptive Tree-based Protocol for Wireless Sensor Networks,” Proceedings of the Second International Conference on Digital Information Processing, Data Mining, and Wireless Communications (DIPDMWC), ISBN: 978-1-941968-26-0 ©2015 SDIWC, Dubai, 2015.

Amr Elsaadany, "Campus Crowd Sensing Platform using Mobile Computing for Smart Education Environments,” Proceedings of Fifth International Conference on Information Communications Technology (ICT2015), Alexandria, 2015.

Amr Elsaadany, Prof. Mukesh Singhal, and Prof. Ming T. Liu “Performance Evaluation of Switching in Local Area Networks”. Technical Report OSU-CISRC-3/95-TR08, The Ohio State University Research Center, March 1995. Proceedings of the IEEE International Phoenix Conference on Computers and Communications, March 1996.

	<p><i>Amr Elsaadany, Prof. Mukesh Singhal, and Prof. Ming T. Liu, "Performance Study of Buffering within Switches in Local Area Networks". Proceedings of the 4th International Conference on Computer Communications and Networks (ICCCN), September 1995.</i></p> <p><i>Amr Elsaadany, Prof. Mukesh Singhal, and Prof. Ming T. Liu, "Alternative Configurations for Local Area Network Design". Proceedings of the 20th Conference on Local Area Networks, October 1995.</i></p> <p><i>Amr Elsaadany, Prof. Mukesh Singhal, and Prof. Ming T. Liu, "Priority Communication Schemes on Local Area Network Design". Proceedings of the 19th Conference on Local Area Networks, October 1994.</i></p>
<p>Academic Research interests:</p>	<p>Networking and Protocols, Wireless Sensor Networks, and Internet of Things (IoT).</p> <p>Networked Applications Development (Educational Applications, E-Learning Platform, Location-based Methods, and Immersive Education for Smart Cities).</p> <p>Mobile Computing, Crowd Sensing Platform, and</p>

	<p>Participatory Sensing for forecast applications.</p>
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Network management and control, Network Operation System for Renewable Energy Resources.