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**Biographical sketch:**

(Academic Degrees-
Fellowships and
Associations)

- Ph. D. in Engineering, Computer Science and Automatic Control, Faculty of Engineering, Alexandria University, Thesis: "Fast Multicast Parallel Banyan ATM Switch and a New Routing Algorithm", July 2004.
- M.Sc. in Engineering, Computer Science and Automatic Control, Faculty of Engineering, Alexandria University. Thesis: "Asynchronous and Mixed Mode Sequential Machines", July 1985.
- B.Sc. in Computer Science and Automatic Control, Faculty of Engineering, Alexandria University, with a grade of "very good with honor degree", CGPA: 3.616/ 4.0, June 1982.
- Primary, preparatory and secondary years in a French school in Alexandria (Sainte Jeanne Antide), June 1977.

Publications:

1. M. A. Abou-Of, "Dynamic Bi-directional Multicast Shared Tree", HONET'09-IEEE International Symposium On High Capacity Optical Networks & Enabling Technologies, PUA, Dec. 2009.
2. M. A. Abou-Of, "Fast Minimal Bandwidth Group-Shared Tree for Multicast Routing Algorithms", WMSCI 2008 Conf. On Systemics, Cybernetics and Informatics, USA, June 2008.
3. M. A. Abou-Of, W. A. El-Haweet, S.A. Bassiouny, and M. N. El-Derini, "Minimal Bandwidth Multicast-Broadcast Routing Algorithms", ICCT 2003-IEEE Conf. On Commun. Tech, vol.1, pp.338-347, April 2003.
4. S. A. Bassiouny, M. A. Abou-Of, W. A. El-Haweet, and M. N. El-Derini, "Fast Multicast Parallel Banyan Based ATM Switch", ICCT 2003-IEEE Conf. On Commun. Tech., vol. 1, pp.525-531, April 2003.
5. M. N. El-Derini and M. A. Abou-Of, "Synthesis of Mixed Mode Sequential Machines on the Scope of Asynchronous Sequential Circuits", Proceedings of the IASTED, International Symposium, Applied Informatics, Grindewald, Switzerland, pg. 198-203, Feb 1988.
6. M. A. Abou-Of and M. N. El-Derini, "Self-Synchronized Asynchronous Circuits With Unrestricted Input Changes", MELECON' 85, IEEE Trans.

	<p>Computer, Vol. C-2, pg. 35-40, Oct.1985.</p> <p>7. M. N. El-Derini and M. A. Abou-Of, “A General Mixed Method for Solving the Matrix Eigen Values Problem”, Alexandria University, Vol. XX1, pp.135-147, Feb. 1982.</p>
Academic Research interests:	<p>High Speed Networks, Multicast Routing Protocols, Protocol Modeling and Analysis, Parallel Networks Architecture, Parallel Processing, Design and Simulation of ATM Switches, Network Security, Computer architecture.</p>