

Curriculum Vitae

Name: Hala Mohamed Samir Elhadidy.

Jobs: Assistant Professor at Electrical Engineering Department - Faculty of Engineering – Port Said University- Egypt (1998 – till now).

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Education and Training

- **March-April 2018:** Supervisor and Instructor at a Workshop titled:" How to create an accounts on Google Scholar and Research Gate; and how to deal with your academic website" which presented to all the faculties' members of the university
- **April 2017:** Course "The University Management" from Port Said University.
- **April 2016, Nov. 2017:** Attended workshops about **the universities' ranking** which is organized by Ministry of High Education at Cairo university.
- **2012-2015:** The PhD degree from the Electrical Engineering Department, Computer Engineering and Control Section, Faculty of Engineering, Port Said University titled: "Joining Time-Driven and Event-Driven Control Systems".
- **March 2013:** "Self-evaluation for the educational institution" from the General Authority for quality and accreditation.
- **2012:** Course "Organizing scientific conferences" from Port Said University.
- **2012:** Faculty of Engineering – Port Said University: the prequalifying exams of the Ph.D. degree in electrical engineering.
- **2008 - 2011:** The Master degree from the Electrical Engineering Department, Computer Engineering and Control Section, Faculty of Engineering, Port Said University titled: "Routing Algorithms of the Wireless Sensor Networks".
- **2011:** Courses "Credit hours system", "Competitive research projects", "Morals and professional ethics" from Port Said University.
- **December 2009:** Course "Preparation of teacher" from Port Said University.
- **October – November 2009:** Course "TOEFL" from the language center of Faculty of Nursing – Suez Canal University in Port Said.
- **2005 - 2006:** Burnhamthorpe Adult Learning Centre, Toronto, Ontario, Canada: Co-operative education work experience + TOEFL.

- **2002:** Concordia University, Montreal, Quebec, Canada: Some of the preparatory courses of the Master degree, electrical and computer engineering:
 - Software Engineering.
 - Fault – Tolerant Distributive System.
 - ASIC Design.
- **1998:** Faculty of Engineering, Suez Canal University, Port Said: B.Sc. of electrical and computer engineering (with excellence and honors).

Employment and Experience:

- **September 2023:** Assistant Professor at Communication Department, High Institute of Engineering & Technology at Alaresh.
- **September 2023:** Assistant Professor at Communication Department, High Institute of Engineering & Technology at new Damietta
- **December 2019 – 2022:** Assistant Professor at Computer Engineering and Networks Department, Computer and Information Sciences College, Jouf University, Kingdom of Saudi Arabia. Taught Courses: Logic Design, Advanced Logic Design, Programming with Java, Automatic Control Systems, Microprocessors, Database and Signal Processing.
- **April 2016 – August 2019:** Manager of portal of Port Said University which is a project under Information and Communication Technology Projects (ICTP) of Port Said University.
- **December 2015 – 2019:** Assistant professor in the Electrical Engineering Department, Faculty of Engineering, Port Said University.
- **January - May 2016:** Teaching at Computer Science Department, Faculty of Science, Port Said University.
- **August 2012 – 2019:** A member in the fourth strategic group of the "credibility and morality" to quality education and a member in the fifth strategic group of the "Leadership and governance", and a member in the group who prepare the course specifications and reports of the Electrical Engineering Department in Faculty of Engineering, Port Said University.
- **2008- 2015:** Teaching assistant in Faculty of Engineering – Port Said University.
- **2001-2008:** Leave of absence to accompany husband to Canada.
- **March – June 2006:** Toronto Community Housing Corporation, Toronto, Ontario, Canada: Database and Web Developer as a volunteer in the community safety unit.

Publications:

[1] E. I. Elsedimy, Hala Elhadidy, Sara M. M. Abohashish," QSVM-IGWO: A Novel Intrusion Detection System Based on a Hybrid Quantum Support Vector Machine and Improved Grey Wolf Optimizer," to be published.

[2] H. Elhadidy, A. Abd-Alrahem, K. Elserafi, H. Dorrah "A Full Symbolic Feedback Control Design", Port-Said Engineering Research Journal, Vol 25, no. 2, pp. 88-94, 2021. https://pserj.journals.ekb.eg/article_185480.html

[3] Amara M. Abd-Alrahem, Hala M. Elhadidy, Kamel A. Elserafi, Hassen T. Dorrah, "Fully symbolic-based technique for solving complex state-space control systems," International Journal of Electrical and computer Engineering IJECE, Vol 11, no. 1, ISSN 2088-8708, e-ISSN 2722-2578, .pp 272-283, 2021.

<http://ijece.iaescore.com/index.php/IJECE/article/view/21788>

[4] Mahmoud A, Elhadidy H, Elserafi K, Dorrah H. "Toward Symbolic Representation and Analysis of Parameter Varying Control Systems", in Twentieth International Middle East Power Systems Conference (MEPCON). Cairo, Egypt: IEEE Conference; 2018:894 - 899. <https://ieeexplore.ieee.org/document/8635271>

[5] H. Elhadidy, R. Rizk, and H. T. Dorrah," Wireless Sensor Network as an application on Generalized Data Stack Programming (GDSP) Model," International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 5, No. 11, Nov. 2014. DOI:10.14569/IJACSA.2014.051113.

[6] H. Elhadidy, R. Rizk, H. Dorrah, "A new generalized data stacking programming (GDSP) model," in Proc. of 9th ICENCO Egypt, pp. 78-84, Dec. 2013, DOI:10.1109/ICENCO.2013.6736480.

[7] H. Elhadidy, R. Rizk, H. Nassar, "Non-linear optimization of mobile radio aware routing algorithm in wireless sensor networks", Online J. Comput. Sci. Inf. Technol. (OJCSIT), 2011, Vol. 1, Iss. 1, pp. 23–28.

[8] Rizk, H. Elhadidy, H. Nassar, "Optimised mobile radio aware routing algorithm for wireless sensor networks," IET Wirel. Sens. Syst., 2011, Vol. 1, Iss. 4, pp. 206–217, doi: 10.1049/iet-wss.2011.0047.