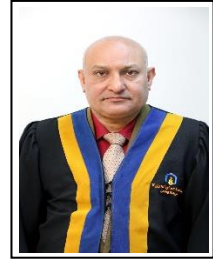


Date: 05/05/2025



CURRICULUM VITAE

PERSONAL INFORMATION

Faculty Member Name: Mahmoud Abdel-Aziz El-Sakhawy Othman
Academic Rank: Assistant Professor
College: Information Technology
Department: Computer Science
Nationality: Egyptian
Address: Shafa Badran – Amman – Jordan
Phone No: 0796012872
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ACADEMIC QUALIFICATIONS

- B.Sc. Computer Science - Faculty of Science – Menoufia University – Egypt, 1997.
- Master degree of Science in Computer Science – faculty of Science - Menoufia University - Egypt, 2005.
Master Theses Title: "On the study of wireless Medium Access Control Protocol".
- PhD degree of Science in Computer Science - Faculty of Science – Menoufia University - Egypt, 2011.
Ph.D. Thesis Title: "Building an adaptive energy-efficient MAC protocol for wireless sensor networks with maximum network lifetime."

ACADEMIC EXPERIENCE

Duration: Feb. 2025 till Now

- University: Amman Arab University
- Academic Rank: Assistant Professor
- Date the rank was granted: 2011
- The body granting the rank: Menoufia University
- College: Faculty of Science
- Country: Egypt

Duration: Feb 2020 till Feb 2025

- University: October 6 University
- Academic Rank: Assistant Professor
- Date the rank was granted: 2/2020
- The body granting the rank: Zagazig University
- College: Faculty of Computers and Informatics
- Country: Egypt

Duration: Feb 2020 till Feb 2025

- University: October University for Modern Sciences and Arts (MSA)
- Academic Rank: Assistant Professor
- College: Faculty of Engineering
- Country: Egypt

Duration: Feb 2020 till Feb 2022

- University: Misr University for Science and Technology (MUST)
- Academic Rank: Assistant Professor
- College: Faculty of Information Technology
- Country: Egypt

Duration: Feb 2012 till July 2019

- University: Prince Satam bin Abdulaziz University
- Academic Rank: Assistant Professor
- College: Faculty of Business Administration
- Country: Kingdom of Saudi Arabia (KSA)

Non-Academic Experience

Duration: March 2000 till Feb 2012

- Authority: Financial Regulatory Authority
- Sector: Information technology Sector
- Financial Regulatory Authority
- Country: Egypt

Duration: Feb 1998 till Feb 2000

- Company: Egyptian Military
- Department: Information System Dept.
- Country: Egypt

HONORS AND AWARDS

- IBM Artificial Intelligence Analyst 2020-Explorer Award
- The Second E-Learning Award at Faculty of Business Administration, Prince Sattam bin Abdulaziz University, KSA.

SERVICE ACTIVITIES

- An arbitrator in the fourth scientific conference at Mecca, 1434 H.
- An arbitrator in the fifth scientific conference at Riyadh, 1435 H.
- An arbitrator in the six scientific conference at Gida, 1436 H

THE MOST IMPORTANT PUBLICATIONS IN LAST FIVE YEARS

1. Mahmoud A. El-Sakhawy , Imane A. Saroit, "*Propose Medium Access Control for Wireless Sensor Networks*", third annual conference (INFOS 2005), faculty of computers and information, Cairo University, Cairo, Egypt, 19-22 March 2005.
2. Mahmoud A. El-Sakhawy Othman, Imane Aly Saroit Ismail, "*Prediction S-MAC protocol for Wireless Networks*", published in Egyptian Computer Science Journal (ECS Journal), Egypt, ISSN-1110-2586, Vol. 34 No.5 September 2010.
3. Mahmoud A. El-Sakhawy Othman, Imane Aly Saroit Ismail, "*Building an Energy-Efficient Prediction S-MAC Protocol for Wireless Networks*", published in International Journal of Computer Science and Information Security (IJCSIS - ISSN 1947 5500), USA, Edition (Vol. 8, No. 9), December 2010.
4. Mahmoud A. El-Sakhawy, "*Building an Energy-Efficient MAC Protocol for Wireless Sensor Networks*", Book, Scholer's Press, ISBN: 978-3-639-76497-0, 2015.
<https://www.scholars-press.com/catalog/details//store/gb/book/978-3-639-76497-0/building-an-energy-efficient-mac-protocol-for-wireless-sensor-networks>
5. Othman, A. M. (2015). "*An Adaptive Energy-Efficient Predictive S-MAC Protocol for Wireless Networks*". IJECCCE, 6(6), 698-709, 2015.
http://ijecce.org/administrator/components/com_jresearch/files/publications/IJECCCE_3671_Final.pdf

6. السخاوي، محمود عبدالعزيز، أحمد علي لقم، سامي عبد الحميد عيسى، "نموذج مقترح لنظام المراقبة عن بعد لمحمية الوعول بمحافظة حوطة بني تميم بتقنية شبكات الاستشعار اللاسلكية"، مجلة البحوث البيئية والطاقة بجامعة المنوفية، جمهورية مصر العربية، يوليو ٢٠١٧.
7. لقم، أحمد علي علي، محمود عبدالعزيز السخاوي، سامي عبد الحميد عيسى، "حوسبة اللغة العربية بين الواقع والمأمول (منهج مقترح لأقسام اللغة العربية بجامعة الأمير سطام بن عبد العزيز)"، مجلة الدراسات العربية بكلية دار العلوم جامعة المنيا، جمهورية مصر العربية، Volume 35_Issue 7_Pages 3923-3974 يناير ٢٠١٧.
https://dram.journals.ekb.eg/article_163190_fbee4979184beabb31fd3cbl1488debl.pdf?fbclid=IwAR15U8qoiqlnqohH6pmTqtp1StKqrZxacn9naGhuYsNVzny9ilPqiNSaXQ
8. السخاوي، محمود عبدالعزيز، "المراقبة والتحكم الذاتي عن بعد في الظروف المناخية للبيوت المحمية الزراعية باستخدام تقنيات شبكات الاستشعار اللاسلكية : دراسة تجريبية بمحافظة الخرج وحوطة بني تميم – المملكة العربية السعودية"، بحث مدعوم من وكالة الجامعة والبحث العلمي برقم ٢٠١٩/٠٢/٩٩٤٤.
9. Mahmoud A. El-Sakhawy Othman, "Information Technology Applications in Scientific Research", published in the Conference of the Development of Research in Higher Education, Cairo, Egypt, 4-6 August 2022.
10. Mahmoud A. El-Sakhawy Othman, "Multiple Uses of Computers in Education", published in the Conference of Educational, Cairo, Egypt, 13-15 August 2022.
11. Mahmoud A. El-Sakhawy Othman, "Use of The Modern Tools in Educational Technology", published in the Frist International Conference on Educational Sciences and Education Development, Cairo, Egypt, 7-9 August 2023.
12. Mahmoud A. El-Sakhawy Othman, Ghada Abdelhady, "Practical Applications of Digital Transformation and Measuring Key Performance Indicators (KPIs) in Sustainable Industrial Development", published in the 23rd Mechanical Engineering Conference of "The Digital Transformation and Sustainable Industrial Development - Opportunities & challenges", Cairo, Egypt, 29-30 October 2023.
13. Abdulrahman Ghandoura, Abdullah Alajmi, Mahmoud El-Sakhawy and Ghada Abdelhady, "Dynamic Machine Learning Framework for Secure, Ultra-Reliable, and Energy-Efficient Open RAN Systems", IEEE Open Journal of the Communications Society: OJCOMS-03823-2025 (Arbitration and publishing in progress).

INSTITUTIONAL PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS

- Chairman of the management information systems department council from: 1/3/2012 to 29/7/2019.
- Member of the college of business administration council from: 1/3/2012 to 29/7/2019.
- Chairman of the management information systems committee.
- Chairman of the improving information systems program committee.
- Member of the college steering final exams committee.
- Member of summer training committee.
- Quality Coordinator at the College of Business Administration
- Member of the Strategic Plan Committee at the CBA College
- Faculty Staff in the Faculty of Engineering, MSA University, Egypt.
- Faculty Staff in the Faculty of Information Technology, MUST University, Egypt.
- Learning Management System, (MOODLE).

RESEARCH LINK (Scopus and Google Scholar)

- <https://scholar.google.com/citations?authuser=1&user=s0ECXesAAAAJ>
- https://www.researchgate.net/profile/Mahmoud-A-Elsakhawy?ev=hdr_xprf
- <https://orcid.org/my-orcid?orcid=0009-0000-7172-1022>

LANGUAGES

- English.
- Arabic.