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He received the B.Sc. degree in electrical engineering from Cairo University, Egypt in 1994, the M.Sc. degree jointly from the Fontys University and Technical University Eindhoven, Netherlands, in 1997, and the Ph.D. degree in computer sciences from Tohoku University, Japan, in 2006. He is the professor of electronics technology, Beni-suef University, Egypt. In 2008, he joined the college of computer science and engineering at Taibah University, KSA. On 2012, he became the chair of networks and communications systems department. In 2020, he joined University of Prince Mugrin. He is the author of several research papers published in the most reputable journals and conferences. He is the author of the book titled "Optical Networks: A Restoration Perspective with Active Restoration." He is also the editor of the book titled "Wireless Sensor Multimedia Networks: Architectures, Protocols and Applications" published by CRC Press USA. In 2021, he received the distinguished researcher Award at UPM. He is a member of the editorial boards of the International Journal of Sensor and Related Networks and International Journal of Communication Networks and Information Security. He is a senior IEEE member. He is also the chair of the membership development committee of IEEE in western KSA of R8.

Qualification :

*- PhD. in Computer Science, Tohoku University, Japan
*- MSc. in Electrical Engineering, Technical University of Eindhoven, The Netherlands.
*- BSc. of Engineering, Cairo University, Egypt."

Research Interest :

*-Internet of Things
*-Wireless Networks
*-Computer Networks
*-AI in IoT Applications"

Publications :

*1. Mostafa A. Ebied, Mohamed A. Azim and Ahmed Emad-Eldeen , AI-Based Approach for Predicting The Storage Performance of Zinc Oxide-Based Supercapacitor Electrodes, Energy Storage, Accepted, 2024.

*2. Mostafa A. Ebied, Ahmed G. El-Deen, Mohamed A. Azim and Ahmed Emad-El-deen, Performance Prediction of Carbon-Based Supercapacitor Electrodes as Energy Storage Devices using Machine Learning techniques, Design Engineering (Toronto), no. 1, pp. 4112 - 4125, Sep. 2022.

*3.Alashhab, A.A.; Zahid, M.S.M.; Azim, M.A.; Daha, M.Y.; Isyaku, B.; Ali, S. A Survey of Low Rate DDoS Detection Techniques Based on Machine Learning in Software-Defined Networks. Symmetry 2022, 14(8), 1563; https://doi.org/10.3390/sym14081563.

*4.Alheadary W, Azim MA. Prediction of the Epidemic Strength of COVID-19 in the Holy Places of Saudi Arabia during the Forthcoming Hajj Season 2020. J Health Care and Research. 2020 Aug 29;1(3):125-34.

*5.Ahlam Alrehili, Abdullah Alsaedi and Mohamed Mostafa A. Azim, A Data Dissemination Scheme for a Wireless Nanosensor Network towards IoNT,
International Journal of Sensor Networks, accepted, March 2020. [IF: 1.289]

*6.Mohamed A. Azim, Assessing Link Availability on Communications
Networks under Regional Failures, International Journal of Communication Networks and Distributed Systems, Vol.23 No.1, pp.25 – 43, 2019. [Scopus indexed] https://doi.org/10.1504/IJCNDS.2019.100640

*7.Ahmed Salem and Mohamed A. Azim, The effect of RBCs concentration in blood on the wireless communication in Nano-networks in the THz band, Nano Communication Networks, , Vol. 18, pp34-43, Nov. 2018. [IF: 2.06]

*8.Muhammad Nomani Kabir, Md Arafatur Rahman, Saiful Azad, Mohamed Mostafa A. Azim, Md Zakirul Alam Bhuiyan, A connection probability model for communications networks under regional failures, International Journal of Critical Infrastructure Protection, Vol. 20, Pages 16-25, 2017. [IF: 2.15]

*9.Aly M. El-Semary, Mohamed A. Azim, and Hossam Diab, SPCBC: A Secure Parallel Cipher Block Chaining Mode of Operation based on logistic Chaotic Map, KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS, Vol. 11, No.7, July 31, 2017 March, 2017.

*10.Aly El-Semary and Mohamed Mostafa A. Azim, "Counter Chain: A New Block Cipher Mode of Operation", The International Journal of Information Processing Systems, Vol. 11 No. 2, pp. 266-279, June 2015.

*11.Mohamed Mostafa A. Azim and M. N. Kabir, "Availability Analysis of Shared Back-up Path Protection under Multiple-Link Failure scenario in WDM Networks", International Journal of Annals of Communications, Volume 70, Issue 5–6, pp 249–262, June 2015.

*12.Aly El-Semary and Mohamed A. Azim, "A Dual-Sink Secure Routing Protocol for Wireless Sensor Networks", International Journal of Information Assurance and Security (JIAS), Vol. 7, No. 5, pp. 324-337, 2012.

*13.Mohamed Mostafa A. Azim and M. N. Kabir, "Availability Analysis Under Multiple Link-Failures in WDM Networks with Shared-Link Connections", International Journal of Photonic Networks Communications, Vol. 23, No. 1, pp. 83-91, Springer, 2012. DOI: 10.1007/s11107-011-0339-6

*14.Mohamed Mostafa A. Azim, Aly M. Al-semary and Abdullah AlBinAli, "HON-OVCS: Virtual Topology Based Architecture for QoS Guarantee in OBS Networks"", International Journal of Electrical & Computer Sciences IJECS-IJENS, Vol. 11, Issue: 06, ISSN: 2077-1231, Dec. 2011.

*15.Mohamed Mostafa A. Azim and M. N. Kabir, "Availability Study of M:N Automatic Protection Switching Scheme in WDM Networks", International Journal of High Speed Networks, Vol. 18, No. 1, pp. 1-13, IOS Press, Dec. 2011.

*16.Mohamed Mostafa A. Azim, "MAP : A Balanced Energy Consumption Routing Protocol for Wireless Sensor Networks", The International Journal of Information Processing Systems, Vol. 6 No. 3, pp. 295-306, September 2010.

*17.Mohamed Mostafa A. Azim, Xiaohong Jiang, Susumu Horiguchi, and Minyi Guo, "Restoration Probability Modeling for Active Restoration-Based Optical Networks with Correlation among Backup Routes"",

Other Accreditation :

*1.Served as the IEEE chair of Membership Development R8 (2017 - Present).

*2.Senior Member of the Institute of Electrical and Electronics Engineering (IEEE).

*3.Member of the Saudi Society for Systems & Industrial Engineering.