

Lobna Osman

Assistant Professor

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Abdulsalam Aref St.

Mansoura

Egypt



Working as Assistant Professor in Delta Higher Institute for Engineering & Technology with 7+ years experience in academic teaching.



EXPERIENCE

2016-09 - **Assistant Professor**

present *Delta Higher Institute for Engineering & Technology*

2003-09 - **Assistant Lecturer**

2011-08 *Faculty of Engineering*

8 years' experience in academic teaching in Electronics & Communication Dept., Faculty of Engineering, Mansoura University.

2013-09 - **Electronics Engineer**

2015-08 *Ministry of Housing*



EDUCATION

2011-03 - **PhD. degree in in Electronic & Communications Engineering Dept.**

2016-05 My PhD dissertation entitled "Modeling and Simulation of Hybrid SET/CMOS for DAC and ADC Nano-Circuits".

2004-02 - **M.Sc. in Electronic & Communications Engineering Dept.**

2007-03 My master thesis entitled "A/D Converters realization using the Single Electron Transistor".

1997-09 - **B.Sc. in Electronic & Communications Engineering Dept.**

2002-08 Holds B.Sc. in Electronic & Communications Engineering Dept.



LANGUAGES

Arabic

English



CERTIFICATES

2007-09 International Computer Driving Licence (ICDL)

2002-02 Image Processing Using Matlab Training Course



RESEACH INTERESTS

Includes, Not Only; Nano Technology Researcher, especially regarding Electronics, Neural networks, LOGIC circuits, and related topics. Understanding of Nano technology Concepts with Good knowledge of IC fabrication.

PUBLICATIONS

Lobna A. Osman, Abdel-Fattah I. Abdel-Fattah and El Said Ahmed Marzouk, "Simulation of Hybrid SET/MOS Analog-to-Digital (ADC) and Digital-to-Analog (DAC) Converters using new Single Electron Transistor Model", The Mediterranean Journal of Electronics and Communications, vol. 11, no. 2, 2015, , pp. 865-874.

Lobna A. Osman, Sameh E. Rehan (SMIEEE), and Abdel-Fattah I. Abdel-Fattah, " Improved hybrid SET/MOS Digital-Analog and Analog-Digital Converters", Mansoura Engineering Journal, (MEJ), vol. 40, Issue 1, March 2015.

Lobna A. Osman, Sameh E. Rehan (SMIEEE), and Abdel-Fattah I. Abdel-Fattah, " Recursion Model Optimization for Single Electron Transistor", The Mediterranean Journal of Electronics and Communications, vol. 10, no. 2, 2014, pp. 682-688.

S. Rehan, and L. A. Osman, "An 8-bit ADC using single electron transistor", in the journal of faculty of engineering , Mansoura university, JUNE 2007, VOL. 33, NO.2.

1. Lobna Osman, "A PSPICE Fast Model for the I for the Single Electron Transistor", International Journal of Wireless and Ad Hoc Communication (IJWAC), Vol. 0, No. 1, PP. 8-23, 2019.

Abdulaziz Shehab, Ahmed Ismail, Lobna Osman, Mohamed Elhoseny, and I.M. El-Henawy," Quantified Self Using IoT Wearable Devices", Springer International Publishing AG 2018, Conference on Advanced Intelligent Systems and Informatics, Advances in Intelligent Systems and Computing 639, DOI 10.1007/978-3-319-64861-3_77.

Mohamed Elhoseny, Abdulaziz Shehab, and Lobna Osman," An Empirical Analysis of User Behavior for P2P IPTV Workloads", Springer International Publishing AG, part of Springer Nature 2018, A. E. Hassanien et al. (Eds.): AMLTA 2018, AISC 723, pp. 252–263, 2018.

Lobna Osman," Integrated Decision Making Aided Model to Estimate the Risks of the Excavation System", Fusion: Practice and Applications (FPA), Vol. 07, No. 02 PP. 110-123, 2022.

Lobna Osman," An Intelligent Spatial Military Intrusion Detection using Reactive Mobility Unmanned Vehicles Based on IoT and metaheuristic Optimization Algorithm", Journal of Cybersecurity and Information Management (JCIM), Vol. 09, No. 02, PP. 31-41, 2022.

Mahmoud Zaher, Abdulaziz Shehab, Mohamed Elhoseny, and Lobna Osman, " A New Model for Detecting Similarity in Arabic Documents", Springer International Publishing AG 2018, A.E. Hassanien et al. (eds.), Proceedings of the International Conference on Advanced, Intelligent Systems and Informatics 2017, Advances in Intelligent Systems and Computing 639, DOI 10.1007/978-3-319-64861-3_46.

Memoona Faryal, Saddaf Rubab, Malik M Khan, Muhammad Attique Khan, Abdulaziz Shehab, Usman Tariq, Samia Allaoua Chelloug and Lobna Osman, "Studying efficacy of traditional software quality parameters in quantum software engineering", Vol.:(0123456789) Optical and Quantum Electronics (2022) 54:611,

<https://doi.org/10.1007/s11082-022-03943-x>.

SKILLS

ORCAD PSPICE		Excellent
Programming language-Matlab		Very Good
SIMON2		Very Good
SEC Simulator		Very Good
Operating Systems- Windows		Excellent
Microsoft Office		Excellent
Graphics- Photoshop		Good

TOUGHT COURSES



- Logic gates
- Fundamentals of Programming
- Fundamentals of Electronics Circuits
- Communications
- Neural Networks
- Integrated Circuits (IC)
- Probability Theory
- Electronic Laboratories
- Mathematics
- Numerical Analysis
- Image Processing
- Special Functions
- Computer Networks
- Operating Systems





SOFT SKILLS

- Interactive and fast enough to learn new technologies and sciences.
- Advanced Research Abilities.
- Highly Communications Skills.
- Organizer.