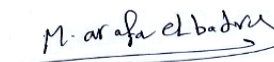
	Contact Information	
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	Research gate:	https://www.researchgate.net/profile/Mohammad_Arafa3
	Web of science:	https://www.webofscience.com/wos/author/record/JJF-5171-2023
	ORCID:	https://orcid.org/0000-0002-7682-6429
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Education/ Academic qualifications		
2014	Ph.D. in Electrical Engineering (Computers and Automatic Control Engineering), Tanta University, Egypt. Ph.D. dissertation titled “Fuzzy Neural Network Optimization”.	
2009	Master of Science (M.Sc.) degree in Computers and Control Engineering, Tanta University, Egypt. M.Sc. thesis titled “Adaptive Fuzzy Control of Nonlinear systems”.	
2001	Bachelor of Science (B.Sc.) degree in Electrical Engineering (Computer and Control Engineering), Tanta University, Egypt.	
Academic Employment History		
(2021 - Present)	Associate Professor at the Computers and Control Engineering Department, Faculty of Engineering, Tanta University, Egypt.	
(2014 - 2021)	Lecturer at the Computers and Control Engineering Department, Faculty of Engineering, Tanta University, Egypt.	
(2009 - 2014)	Assistant Lecturer at the Computers and Control Engineering Department, Faculty of Engineering, Tanta University, Egypt.	

I do hereby declare that the information furnished above is true to the best of my knowledge.

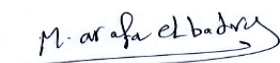
Name: M. Arafa M. Arafa

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(2001 - 2009)	Demonstrator at the Computers and Control Engineering Department, Faculty of Engineering, Tanta University, Egypt
Administrative Positions:	
(21/9/2021 - Present)	Director of Tanta University Information Network
(1/12/2021 - Present)	Member of the Digital Transformation Committee at Tanta University
(2/2023 - Present)	Member of the Executive Higher Committee to follow up and enhance the world ranking of Tanta university
Teaching Experience (Courses, Language, Higher Education Only)	
<p>Teaching as a demonstrator, assistant Lecturer, Lecturer and Asoc. Prof. at Faculty of Engineering, Tanta University (2003- to present) for the following courses:</p> <ul style="list-style-type: none"> • Logic design • Microprocessor • Microcontrollers • Digital control • Computer architecture • Computer programming C++ • Signals and systems • Automatic control systems • Programmable logic controller (PLC) • Digital signal processing (DSP) • Control and instrumentation of industrial processes • Computer-controlled systems • Fuzzy Control • Natural Computing • Mechatronics System Design 	

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Publications:

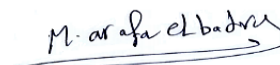
Identify type of publication: book, refereed article, book chapter, journal article, non-refereed paper, major report, technical reports, research funds/grants.

Publication date	Journal/conference name	Title
2014, DOI: 10.1109/DICTAP.2014.6821685	The Fourth International Conference on Digital Information and Communication Technology and its Applications (DICTAP2014), Bangkok, Thailand	An enhanced differential evolution optimization algorithm
2016, DOI: 10.1109/ICCES.2016.7822046	The 11th IEEE International Conference on Computer Engineering and Systems (ICCES2016), Cairo, Egypt,	An optimal PID controller for a quadrotor system based on DE algorithm
2017, DOI: 10.1109/ICCES.2017.8275322	The 12th IEEE International Conference on Computer Engineering and Systems (ICCES2017), Cairo, Egypt,	Enhancing Wi-Fi fingerprinting for indoor positioning system using single multiplicative neuron and PCA algorithm
2017, DOI: 10.1109/ICCES.2017.8275323	The 12th IEEE International Conference on Computer Engineering and Systems (ICCES2017), Cairo, Egypt,	Optimal placement of access points for indoor positioning using a genetic algorithm
2019, vol. 11, No. 4, pp. 26-38, DOI: 10.5815/ijisa.2019.04.03	International Journal of Intelligent Systems and Applications (IJISA)	An Enhanced Differential Evolution Algorithm with Multi-mutation Strategies and Self-adapting Control Parameters
2019, vol. 11, No. 8, pp. 33-40, DOI: 10.5815/ijitcs.2019.08.05	International Journal of Information Technology and Computer Science (IJITCS)	Application of an Enhanced Self-adapting Differential Evolution Algorithm to Workload Prediction in Cloud Computing
2020, vol. 104, pp. 310–320, 2020 DOI: doi.org/10.1016/j.isatra.2020.05.007	ISA Transactions (Elsevier)	A new unmatched-disturbances compensation and fault-tolerant control for partially known nonlinear singular systems
2021, vol. 110, pp. 1–14, 2021 DOI: doi.org/10.1016/j.isatra.2020.10.002	ISA Transactions (Elsevier)	Cooperative control for cyber-physical multi-agent networked control systems with unknown false data-injection and replay cyber-attacks

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2021, vol. 128, Part B, pp. 294– 308, 2022 DOI: doi.org/10.1016/j.isatra.2021.11.033	ISA Transactions (Elsevier)	Secure control design for nonlinear cyber–physical systems under DoS, replay, and deception cyber-attacks with multiple transmission channels replay
2022, In Press DOI: doi.org/10.1016/j.isatra.2022.04.034	ISA Transactions (Elsevier)	Adaptive leader-follower control for nonlinear uncertain multi-agent systems with an uncertain leader and unknown tracking paths
2022, vol. 12, Issue 8, 1847, 2022 DOI: doi.org/10.3390/diagnostics12081847	Diagnostics (Basel) (MDPI)	Deep Learning-Based Mortality Risk Predictive Models for COVID-19
2022, doi.org/10.1007/s10489-022-04234-4	Applied Intelligence (APIN) (Springer Nature)	Descriptor-based T–S fuzzy fault-tolerant control for delayed systems with immeasurable premise variables
2023, doi.org/10.1007/s00521-023-08568-z	Neural Computing and Applications (Springer Nature)	A modified Adam algorithm for deep neural network optimization
2023, vol. 7, No. 3, 2023 Doi: 10.21608/ERJENG.2023.235646.1242	Journal of Engineering Research (ERJ)	Enhancing FastSLAM 2.0 performance using a DE Algorithm with Multi-mutation Strategies

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