

البحوث المنشورة للتدريسيين في قسم الهندسة الكهربائية للعام الدراسي ٢٠١٩-٢٠٢٠

ت	اسم التدريسي	الدرجة العلمية	اسم البحث	سنة النشر	جهة النشر
١	رمزي سالم علي	استاذ مساعد	PLC/HMI-Based Implementation of a Real-Time Educational Power System Protective Relays Platform	٢٠٢٠	Electronics -MDPI- Publisher
			A smart metaheuristic algorithm for solving engineering problems	٢٠٢٠	Springer
			Design and Implementation of a Musical Water Fountain Based on Sound Harmonics Using IIR Filters	٢٠٢٠	International Journal of Computing and Digital Systems
			Wheelchair free hands navigation using robust DWT_AR features extraction method with Muscle Brain signals	٢٠٢٠	IEEE Access
٢	هشام لطيف سوادي	مدرس	A compact wide-slot UWB antenna with reconfigurable and sharp dual-band notches for underlay cognitive radio applications	٢٠١٩	Turkish Journal of Electrical Engineering & Computer Sciences
			A compact cognitive radio UWB/reconfigurable antenna system with controllable communicating antenna bandwidth	٢٠١٩	Australian Journal of Electrical and Electronics Engineering
			A Planar Integrated UWB/Reconfigurable Antenna with Continuous and Wide Frequency Tuning Range for Interweave Cognitive Radio Applications	٢٠١٩	Iranian Journal of Science and Technology, Transactions of Electrical Engineering
			Modelling of Mobile Electromagnetics Wave Effects on the Human Head	٢٠٢٠	IOP Conference Series: Materials Science and Engineering
٣	عبدالمطلب تركي رشيد(رحمه الله)	استاذ مساعد	Adaptive Fuzzy Control Applied to Seven-Link Biped Robot Using Ant Colony Optimization Algorithm	٢٠١٩	Iranian Journal of Science and Technology, Transactions of Electrical Engineering (Springer)
			Navigation of Mobile Robot with Polygon Obstacles Avoidance Based on Quadratic Bezier Curves	٢٠١٩	Iranian Journal of Science and Technology, Transactions of Electrical Engineering (Springer)
٤	مفيد تركي رشيد	استاذ	Navigation of Mobile Robot with Polygon Obstacles Avoidance Based on Quadratic Bezier Curves	٢٠١٩	Iranian Journal of Science and Technology, Springer / Transactions of Electrical Engineering
			Adaptive Fuzzy Control Applied to Seven-Link Biped	٢٠١٩	Iranian Journal of Science and Technology, Springer / Transactions of

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Electrical Engineering		Robot Using Ant Colony Optimization Algorithm			
Indonesian Journal of Electrical Engineering and Computer Science	٢٠١٩	Design of pitch angle controller for wind turbine based on pi neurofuzzy model			
IRAQI JOURNAL OF COMPUTERS, COMMUNICATION AND CONTROL & SYSTEMS المجلة العراقية لهندسة ENGINEERING	٢٠١٩	HD-sEMG Gestures Recognition by SVM Classifier for Controlling Prosthesis			
Journal of Engineering Science and Technology	٢٠٢٠	A ROBOT ARM CONTROL SYSTEM FOR AMPUTEES USING EYE GAZING TECHNIQUES			
Wiley / Engineering Reports	٢٠٢٠	Design, modeling, and experimental validation of a concave-shape pectoral fin of labriform-mode swimming robot			
Iranian Journal of Science and Technology, Springer / Transactions of Electrical Engineering	٢٠٢٠	Adaptive Myoelectric Pattern Recognition Based on Hybrid Spatial Features of HDsEMG Signals			
IOP Conf. Series: Materials Science and Engineering	٢٠٢٠	Effect of Reynold Number and Angle of Attack on the Hydrodynamic Forces Generated from A Bionic Concave Pectoral Fins			
Iraqi Journal for Electrical and Electronic Engineering	٢٠٢٠	Interactive Real-Time Control System for The Artificial Hand			
Iraqi Journal for Electrical and Electronic Engineering	٢٠٢٠	Simulation Model of Cold Rolling Mill			
Iraqi Journal for Electrical and Electronic Engineering	٢٠٢٠	Synchronization and tracking control of a novel 3 dimensional chaotic system			
Iraqi Journal for Electrical and Electronic Engineering	٢٠٢٠	The Influence of Concave Pectoral Fin Morphology in The Performance of Labriform Swimming Robot			
Iraqi Journal for Electrical and Electronic Engineering	٢٠٢٠	Using the Robust High Density-surface Electromyography Features for Real-Time Hand Gestures Classification			
Australian Journal of Electrical and Electronics Engineering	٢٠١٩	A modified camel travelling behaviour algorithm for engineering applications	استاذ	عبدالكريم سوادي عبدالله	٥
Australian Journal of Electrical and Electronics Engineering	٢٠١٩	A compact cognitive radio UWB/reconfigurable antenna system with controllable communicating antenna			

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		bandwidth			
Turkish Journal of Electrical Engineering & Computer Sciences		A compact wide-slot UWB antenna with reconfigurable and sharp dual band notches for underlay cognitive radio applications			
Iranian Journal of Science and Technology, Transactions of Electrical Engineering	٢٠١٩	A Planar Integrated UWB/Reconfigurable Antenna with Continuous and Wide frequency Tuning Range for Interweave Cognitive Radio Applications			
Iraqi Journal for Electrical and Electronic Engineering (IJEED)	٢٠٢٠	Design of a Wide Dual-Band Coplanar Probe Feed Antenna for WLANs Applications			
Iranian Journal of Science and Technology, Transactions of Electrical Engineering	٢٠١٩	Design of ABCF Control Scheme for Full Vehicle Nonlinear Active Suspension System with Passenger	استاذ مساعد	عمار عبدالشهيدي	٦
Iranian Journal of Science and Technology, Transactions of Electrical Engineering	٢٠١٩	Adaptive Fuzzy Control Applied to Seven-Link Biped Robot Using Ant Colony Optimization Algorithm			
Iranian Journal of Science and Technology, Transactions of Electrical Engineering	٢٠١٩	Navigation of Mobile Robot with Polygon Obstacles Avoidance Based on Quadratic Bezier Curves			
Indonesian Journal of Electrical Engineering and Computer Science	٢٠١٩	Design of pitch angle controller for wind turbine based on pi neurofuzzy model			
Iraqi Journal for Electrical And Electronic Engineering		Maze Maneuvering and Colored Object Tracking for Differential Drive Mobile Robot			
Iraqi Journal for Electrical And Electronic Engineering	٢٠١٩	Maze Maneuvering and Colored Object Tracking for Differential Drive Mobile Robot			
Iraqi Journal for Electrical And Electronic Engineering	٢٠١٩	Design Tunable Robust Controllers for Unmanned Aerial Vehicle Based on Particle Swarm Optimization Algorithm			
Journal of Electrical Engineering & Technology	٢٠١٩	Design of a Stable an Intelligent Controller for a Quadruped Robot			
Journal of Engineering Science and Technology	٢٠٢٠	A ROBOT ARM CONTROL SYSTEM FOR AMPUTEES USING EYE GAZING TECHNIQUES			

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IOP Conference Series: Materials Science and Engineering	٢٠٢٠	Navigation of Mini Unmanned Aerial Vehicle in Unknown Environment			
IOP Conference Series: Materials Science and Engineering	٢٠٢٠	Control of Eight-Leg Walking Robot Using Fuzzy Technique Based on SimScape Multibody Toolbox			
Journal of Engineering Science and Technology	٢٠٢٠	Intelligent Control of Mobile Robot Via Waypoints Using Nonlinear Model Predictive Controller and Quadratic Bezier Curves Algorithm			
The 3rd Scientific Conference of Electrical and Electronic Engineering Researches (SCEEER) (15-16) JUNE 2020 BASRAH / IRAQ	٢٠٢٠	Outdoor & Indoor Quadrotor Mission			
The 3rd Scientific Conference of Electrical and Electronic Engineering Researches (SCEEER) (15-16) JUNE 2020 BASRAH / IRAQ	٢٠٢٠	Control Strategy of Reactive Power Sharing in an Islanded Microgrids			
Australian Journal of Electrical and Electronics Engineering	٢٠١٩	A modified camel travelling behaviour algorithm for engineering applications	استاذ مساعد	فالح مهدي موسى	٧
Turkish Journal of Electrical Engineering and Computer Sciences	٢٠١٩	A compact wide-slot UWB antenna with reconfigurable and sharp dual-band notches for underlay cognitive radio applications			
Australian Journal of Electrical and Electronics Engineering	٢٠١٩	A compact cognitive radio UWB/reconfigurable antenna system with controllable communicating antenna bandwidth			
Iranian Journal of Science and Technology, Transactions of Electrical Engineering, Springer	٢٠١٩	A Planar Integrated UWB/Reconfigurable Antenna with Continuous and Wide Frequency Tuning Range for Interweave Cognitive Radio Applications			
EPJ-ST/Springer	٢٠٢٠	Computational model of insulin-glucose regulatory system to represent type 1 diabetes mellitus, hypoglycemia and hyperinsulinemia	استاذ	فاضل رحمه طاهر	٨
IJEEE	٢٠٢٠	A New Model For Endocrine Glucose-Insulin Regulatory System			
IJEEE	٢٠٢٠	Bifurcations and Chaos in Current-Driven Induction Motor			

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Bulletin of the World Health Organization	٢٠٢٠	Epidemiological Characteristics of COVID-19 Ongoing Epidemic in Iraq			
Symmetry-MDPI	٢٠١٩	A Novel 2D—Grid of Scroll Chaotic Attractor Generated by CNN			
IJEEE		Nonlinear Physiological Model of Insulin-Glucose Regulation System in Type 1 Diabetes Mellitus			
International Journal of Bifurcation and Chaos	٢٠٢٠	A New Time-Delay Model For Chaotic Glucose-Insulin Regulatory System			
Chaos, Solitons and Fractals	٢٠٢٠	Hopf Bifurcation and Chaos in New Time-Delay Model of Glucose-Insulin Regulatory System			
Applied Computational Electromagnetics Society ACES	٢٠٢٠	Three-Stacked Dielectric Ring Resonator Loaded Hybrid Monopole Antenna for Improved Ultrawide Bandwidth	مدرس	علي عبدالهادي نعمان	٩
Bulletin of the World Health Organization	٢٠٢٠	Epidemiological Characteristics of COVID-19 Ongoing Epidemic in Iraq	مدرس	عبدالباسط عبدالصمد	١٠
Iraqi Journal for Electrical and Electronic Engineering IJEEE	٢٠٢٠	A New Model For Endocrine Glucose-Insulin Regulatory System			
Iraqi Journal for Electrical and Electronic Engineering IJEEE	٢٠٢٠	Optimal Learning Controller Design Using Particle Swarm Optimization: Applied to CSI System			
مؤتمر ICECCE 2020 اسطنبول	٢٠٢٠	Design and Experimental Validation of Dynamic Model of Multi-Robot System	استاذ	علي فاضل مرهون	١١
(Journal of Mechanics of Continua and Mathematical Sciences (JMCMs	٢٠٢٠	A New Strategy for Phase Swapping Load Balancing Relying on a Meta-Heuristic MOGWO Algorithm			
ICICT2019'15-16 April 2019 Baghdad, Iraq	٢٠١٩	Navigation System for Visually Impaired People Based on RGB-D Camera and Ultrasonic Sensor			
Electronics	٢٠٢٠	PLC/HMI-Based Implementation of a Real-Time Educational Power System Protective Relays Platform	استاذ مساعد	جواد راضي محمود	١٢
Iraqi Journal of Electrical and Electronic Engineering	٢٠١٩	PLC-HMI BASED SIMULATION of PV CELL and ARRAY BEHAVIOR			

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Iraqi Journal of Electrical and Electronic Engineering Volume 15, No.2 – 2019		Phase Swapping Load Balancing Algorithms, Comprehensive Survey			
Iraqi Journal of Electrical and Electronic Engineering Volume 15, No.2 – 2019	٢٠١٩	Liquid Mixing Enhancement by PLC-Based Chaotic Dynamics Implementation			
International Journal of Computing and Digital Systems	٢٠٢٠	Design and Implementation of a Musical Water Fountain Based on Sound Harmonics Using IIR Filters			
JOURNAL OF MECHANICS OF CONTINUA AND MATHEMATICAL SCIENCES	٢٠٢٠	A NEW STRATEGY FOR PHASE SWAPPING LOAD BALANCING RELYING ON A META-HEURISTIC MOGWO ALGORITHM			
Transport and Telecommunication	٢٠١٩	End-to-end throughput for vanet with and without cloud effect	استاذ	حيدر محمد عبدالرضا	١٣
International Journal of Wireless and Mobile Computing	٢٠١٩	Bat Pack Algorithm for Dynamic Resource Allocation in OFDMA Systems			
Journal of Electrical Engineering & Technology	٢٠١٩	Design of a Stable an Intelligent Controller for a Quadraped Robot	مدرس	عدي بشير عيسى	١٤
Journal of Electrical Engineering & Technology	٢٠٢٠	Robust Trajectory Tracking Control and Obstacles Avoidance Algorithm for Quadrotor Unmanned Aerial Vehicle			
The Fourth Scientific Conference for Engineering and Postgraduate Research	٢٠٢٠	Control of Eight-Leg Walking Robot Using Fuzzy Technique Based on SimScape Multibody Toolbox			
Iraqi Journal for Electrical And Electronic Engineering	٢٠١٩	Maze Maneuvering and Colored Object Tracking for Differential Drive Mobile Robot			