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المؤهلات الأكاديمية

Ph.D., University of Technology - Iraq, 1998

B.Sc. , University of Technology - Iraq, 1986

الأنشطة البحثية

الاهتمامات البحثية -

Robotics and autonomous vehicles

Driving Behavior Analysis

Machine and Deep Learning

المنشورات -

مقال:

- [Driver Behavior Detection Techniques: A survey](#), International Journal of Applied 2018 .1
Engineering Research
- Reactive Mobile Robot Navigation Using Fuzzy Controller, 7th National Symposium on 2017 .2
Engineering Final Year Projects
- Design of a Tele-Operated Mobile Robot for Rough Terrain, 7th National Symposium on 2017 .3
Engineering Final Year Projects
- Construction of a Low-Cost Tele-Operated Mobile Manipulator, 7th National Symposium 2017 .4
on Engineering Final Year Projects
- [Prediction and Measurement of Surface Mounted Permanent Magnet Motor Performance with Soft Magnetic Composite and Laminated Steel Stator Cores](#), WSEAS TRANSACTIONS on 2015 .5
CIRCUITS and SYSTEMS
- Vehicle Tracking and Accident Warning System, 5th National Symposium on Engineering 2015 .6
Final Year Projects
- Visually Guided Mobile Robot, 5th National Symposium on Engineering Final Year Projects 2015 .7
- [EFFICIENCY OPTIMIZATION OF AN OPENLOOP CONTROLLED PERMANENT MAGNET SYNCHRONOUS MOTOR DRIVE USING ADAPTIVE NEURAL NETWORKS](#), European Scientific Journal, 2014 .8
ESJ
- [Finite Element Analysis of an Outer Rotor Permanent Magnet Brushless DC Generator](#), 2013 .9
International Journal of Electrical Engineering
- [Driving Styles Recognition Using Decomposed Fuzzy Logic System](#), Proc.(IJECS) 2013 .10
International Journal of Electrical, Electronics and Computer Systems
- [Decomposed fuzzy controller for reactive mobile robot navigation](#), International Journal 2012 .11
of Soft Computing and Engineering
- [The Use of ZigBee Wireless Network for Monitoring and Controlling Greenhouse Climate](#), 2012 .12
International Journal of Engineering and Advanced Technology
- [Driving style recognition using fuzzy logic](#), Vehicular Electronics and Safety (ICVES), 2012 .13
2012 IEEE International Conference on
- Rotor Position Detection and Control for Spindle Brushless DC Motors Using Dummy 2011 .14
Windings, Artificial Intelligence and Applications, Modelling, Identification, and Control (AIA,MIC
(2011
- [Real-time efficiency optimisation of open-loop controlled synchronous PM motor drive using Adaptive Neural Networks](#), International Conference on Computer as a Tool (EUROCON), 2011 .15
2011
- Computation of Magnetic Losses in Canned High-Field PMSM Using Finite Element 2010 .16
Method, European Journal of Scientific Research
- [A neuro-fuzzy reasoning system for mobile robot navigation](#), JJMIE 2009 .17
- Cache Replacement Policy Based on Fuzzy Decision System, 8th Middle Eastern 2008 .18
Symposium on SIM, MEMS`2008
- [Stable and Highly Efficient Operation of Open-Loop Controlled PM Synchronous Motor Drive](#), Stable and Highly Efficient Operation of Open-Loop Controlled PM Synchronous Motor Drive 2008 .19
- Hybrid Neuro-Fuzzy System for Mobile Robot reactive Navigation, The Industrial 2007 .20
Simulation Conference, ISC 2007
- A Weighted Fuzzy System for Autonomous Mobile Robot Navigation, The 12th 2006 .21
International Conference on Machine Design and production

- The Use of a Decomposed Fuzzy System for Autonomous Mobile Robot Navigation, The 2003 .22
Use of a Decomposed Fuzzy System for Autonomous Mobile Robot Navigation
- A Neuro-Fuzzy Reasoning System for Mobile Robot Navigation, A Neuro-Fuzzy Reasoning 2003 .23
System for Mobile Robot Navigation
- A Novel Fuzzy Like PI Controller, First International Industrial Engineering Conference, 2001 .24
IIEC-2001
- Speed Control of Induction Motor Using PWM Technique and Series Reactor, Speed 2000 .25
Control of Induction Motor Using PWM Technique and Series Reactor
- The Use of Low Loss Low Permeability Materials in the Design of High Speed Permanent 1997 .26
Magnet Motors, 2nd Conf. On Computation Aspect and Their Applications in Electrical Engineering
(CATAEE-97
- Computer Aided Analysis of High Speed Permanent Magnet Synchronous Motors, 2nd 1997 .27
(Conf. On Computation Aspect and Their Applications in Electrical Engineering (CATAEE-97
- [A new method to compute eddy current losses by the finite elements method](#), Industry 1997 .28
Applications Conference, 1997. Thirty-Second IAS Annual Meeting, IAS`97., Conference Record of
the 1997 IEEE
- [Use of canned rotors in high-field permanent magnet machines](#), IEE Proceedings B 1992 .29
(Electric Power Applications
- [The use of canned rotors in high speed permanent magnet machines](#), Fifth International 1991 .30
Conference on Electrical Machines and Drives

العضوية في الهيئات المهنية

Iraq ICT Alliance :الآن-2006

IEEE :الآن-1988

Iraqi Society for Engineers :الآن-1986

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المرجع: <https://www.unizwa.edu.om/staff/cea/munaf>