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| ▼ الاسم المستخدم في نشر البحوث حسب الكوكل سكولر Ibraheem Kasim Ibraheem |

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| ▼ الاتجاهات البحثية  * Robotics, Nonlinear control, Machine learning, system identification, power control |

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| ▼ الدرجة العلمية Asst. Prof. |
| ▼ الأبحاث المنشورة PUBLICATIONS   1. W. A. Mahmoud, N. K. Wafi, I. Q. Ibraheem, “ **Image Denoising Using Recursive Matrix and Linear Estimation in the Wavelet Domain**”, Nationalcomputer center (NCC), Information and Advanced Technology Symposium, Baghdad, **Iraq**, 19-20 December 2000. 2. W.A. Mahmoud; I.K. Ibraheem, ”**Image Denoising using Stationary Wavelet transform**”, AMSE periodical / Signal Processing and Pattern Recognition series / Advances in modeling / series-B, Vol. 46 nº 4, Page (1 –19), France, 2003. 3. W.A. Mahmoud; I.K. Ibraheem, “**Noise Detection and Estimation Using Discrete Wavelet Transform**”, the association for the Advancement of Modeling and Simulation Techniques in Enterprises (A.M.S.E). AMSE periodical / Signal Processing and Pattern Recognition series / Advances in modeling / series-B, Vol. 48 nº 5, France, 2005. 4. W.A. Mahmoud; I.K. 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Mohanad Azeez Joodi, Ibraheem kasim Ibraheem\*, Firas Mohammed Tuaimah, “**Power Transmission System MidPoint Voltage Fixation using SVC with Genetic Tuned Simple PID Controller”,** International Journal of Engineering & Technology, 2019. 36. Aws Abdulsalam Najm , Ibraheem K. Ibraheem, **“Nonlinear PID controller design for a 6-DOF UAV quadrotor system”,** Engineering Science and Technology, an International Journal, Vol. 22, pp. 108701097, 2019. 37. Hussein Faeq Hassan, Sadiq Jasim Abou-loukh, Ibraheem Kasim Ibraheem,” **Teleoperated robotic arm movement using electromyography signal with wearable Myo armband**”, Journal of King Saud University-Engineering Sciences, in press, 2019. 38. Amjad J. Humaidi, Ibraheem Kasim Ibraheem, “[**A Novel Adaptive LMS Algorithm with Genetic Search Capabilities for System Identification of Adaptive FIR and IIR Filters**](javascript:void(0))**”** Information, vol. 20, no. 5, pp. 1-20, 2019. 39. 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Hmaidi, Ibraheem Kasim Ibraheem, “[**Speed Control of Permanent Magnet DC Motor with Friction and Measurement Noise Using Novel Nonlinear Extended State Observer-Based Anti-Disturbance Control**](javascript:void(0))**”**, Energies, vol. 12, no. 9, 2019. 42. Ibraheem K. Ibraheem, Wameedh Riyadh Abdul-Adheem, “**Decoupled Control Scheme for Output Tracking of a General Industrial Nonlinear MIMO System Using Improved Active Disturbance Rejection Scheme**”, Alexandria Engineering Journal, accepted manuscript, 2019. 43. Ziyad AllawiIbraheem Kasim IbraheemAmjad Jalil Humaidi, “[**Fine-Tuning Meta-Heuristic Algorithm for Global Optimization**](https://www.researchgate.net/publication/336096714_Fine-Tuning_Meta-Heuristic_Algorithm_for_Global_Optimization?_sg=rCTOKbelZnMtZqlWqtmJcM203bS8LoW6uQ4b__ccoNybRD5ERD_4sWccWxrOH9g1mWvSR5fN2SZ2ejs8zt2aKPaUsnliJ9GACUI42P6y.dBFE-LHwaUx1MkZvmWkX_JLupl04ibom5QSwxzz0Jq9MYoY3MgfFHcqkU0knQA5UJP2xzNl1uTYm4T3-4G6Npw)” Processes, vol. 657, pp. 1-14, 2019. |

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| ▼ الكتب والمؤلفات  * Distributed Denial of Service attacks: Detection and Prevention, Lambert, 2016. * Robust Control for Load Frequency Control in Power systems: State-Space and Polynomial Techniques, Lambert, 2018. |

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| ▼ رسائل الماجستير الذي اشرف عليها  |  |  |  |  | | --- | --- | --- | --- | | **Year** | **Department** | **Thesis Title** | **No.** | | 2012 | Electrical Engineering | Load Forecasting Problem for Iraqi Super High Voltage Grid Based on using Optimization Techniques (master) | 1 | | 2011 | Computer  Engineering | Detecting and preventing distributed denial of service(DDOS) attack (master) | 2 | | 2011 | Computer  Engineering | The Multi-Constrained Dynamic Programming Problem in View of Routing Strategies in Wireless Mesh Networks (master) | 3 | | 2013 | Electrical Engineering | Routing in Wireless Networks using Evolutionary Multi-Objective Optimization Techniques | 4 | | 2014 | Electrical Engineering | Motion Planning and Control for Mobile Robots Using Fractional PID controllers (master) | 5 | | 2016 | Electrical Engineering | Autonomous Navigation and Obstacle Avoidance for an Omnidirectional Mobile Robot in Dynamic Environments Using Swarm Intelligence | 6 | | | |
| ▼ اطاريح الدكتوراه الذي اشرف عليها |

* Active Disturbance Rejection Control for Nonlinear MIMO Systems.
* Optimal Robust nonlinear controller Design for Robotic manipulator (Ph.D.)