

| المعلومات الشخصية  |                                 |   |                   |                      |
|--|---------------------------------|---|-------------------|----------------------|
|         | عمار عبدالشهيدي عبدالحميد الدير |   |                   | الاسم الثلاثي واللقب |
|  | ١٩٧٨                            |   |                   | المواليد             |
|  | البصرة                          |   |                   | محل التولد           |
|  | عراقي                           |   |                   | الجنسية              |
|  | متزوج                           |   |                   | الحالة الزوجية       |
|  | ثلاثة                           |   |                   | عدد الأطفال          |
|  | البصرة-الجبيلة                  |   |                   | العنوان              |
| <a href="mailto:Ammar.abdulhameed@uobasrah.edu.iq">Ammar.abdulhameed@uobasrah.edu.iq</a> |                                 |   | البريد الإلكتروني |                      |
| 07827506662  |                                 |   | تلفون             |                      |
| استاذ مساعد  |                                 |   | اللقب العلمي      |                      |
| هندسة تحكم   |                                 |   | الاختصاص العام    |                      |
| الذكاء الصناعي   |                                 |   | الاختصاص الدقيق   |                      |
| الذكاء الصناعي   |                                 |   | الاختصاص الحالي   |                      |
| الشهادات والالقب العلمية   |                                 |   |                   |                      |
| البلد  | الجامعة                         | عنوان الرسالة / الاطروحة  | تاريخها           | الشهادة              |
| United Kingdom   | University of Sussex            | Neurofuzzy Controller Based Full Vehicle Nonlinear Active Suspension System | ٢٠١٢              | الدكتوراه            |
| Iraq   | University of Basrah            | Neurofuzzy Control Structure for Robot Manipulator with Flexible Joints     | 2003              | الماجستير            |
| المهارات   |                                 |   |                   |                      |
|  |                                 |   | جيد جدا           | اللغة العربية        |
|  |                                 |   | جيد جدا           | اللغة الانكليزية     |
|  |                                 |   | لا توجد           | لغات اخرى            |

| النشاط البحثي  |   |
|--|---|
| اسم النشاط   | مكان وتاريخ النشر                       |
| جميع البحوث المنشوره والمقبوله للنشر من الفتره ٢٠١٠-٢٠١٦ مرفقه بالورق الاضافيه |   |
| الخبرات التدريسية  |   |
| اسم الماد التي درستها  | المرحلة الدراسية                        |
| هندسه التحكم المتقدم   | المرحلة الرابعه- قسم الهندسه الكهربائيه |
| هندسه التحكم الرقميه   | طلبه الماجستير -قسم الهندسه الكهربائيه  |
| نضريات التحليل العددي  | طلبه الماجستير -قسم الهندسه الكهربائيه  |
|  |   |
| الإشراف على الدراسات العليا  | عدد الرسائل / والاطاريج                 |
| الإشراف على طلبة الماجستير   | ٤                                       |

### البحوث المنشورة

- Title:** Design of Fractional Order Controller Based on Evolutionary Algorithm for a Full Vehicle Nonlinear Active Suspension Systems.

International Journal of Control and Automation. Vol. 3 No. 4, December, 2010.

- Title:** Adaptive Neuro-Fuzzy Inference Controller for Full Vehicle Nonlinear Active Suspension Systems.

2010 1st International Conference on Energy, Power and Control (EPC-IQ), College of Engineering, University of Basrah, Basrah, Iraq, November 30 - December 2, 2010.

- Title:** Design an Intelligent Controller for Full Vehicle Nonlinear Active Suspension Systems.

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- Title:** Design Neural Control System for Full Vehicle Nonlinear Active Suspension with Hydraulic Actuators.



السيرة الذاتية لتدريسي جامعة البصرة  
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No. 2, Mar-Apr, 2011, 266-274.

5. **Title:** Fuzzy Model Reference Learning Controller Based Full Vehicle Nonlinear Active Suspension Systems.

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(IJRRCS) Vol. 2, No. 3, June 2011.

6. **Title:** A neurofuzzy controller for full vehicle active suspension systems.

Journal of Vibration and Control Vol. 18, No. 12, 2011, 1837–1854.

7. **Title:** FPGA Based Adaptive Neuro Fuzzy Inference Controller For Full Vehicle Nonlinear Active Suspension Systems.

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8. **Title:** The Energy Regeneration of Electromagnetic Energy Saving Active Suspension In Full Vehicle With Neurofuzzy Controller.

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No.2, April 2011.

9. **Title:** Design an Optimal PID Controller using Artificial Bee Colony and Genetic Algorithm for Autonomous Mobile Robot.

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No.16, August 2014.

10. **Title:** Design Neurofuzzy With PID Controllers for An Autonomous Mini-Helicopter System.

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11. **Title:** A Self Learning Fuzzy Logic Controller for Ship Steering System.



12. **Title:** FPGA Based Modified Fuzzy PID Controller for Pitch Angle of Bench-top Helicopter.

Iraq J. Electrical and Electronic Engineering, Vol.8 No.1 , 2012.

13. **Title:** Design of Neurofuzzy Self Tuning PID Controller for Antilock Braking Systems.

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14. **Title:** Hardware Implementation of the Neural Network Predictive Controller for Coupled Tank System.

American Journal of Electrical and Electronic Engineering, 2014, Vol. 2, No. 1, 40-47.

15. **Title:** Pitch Angle Control Design of Wind Turbine Using Fuzzy-Art Network.

Journal of Engineering and Development, Vol. 18, No.4, July 2014, ISSN 1813- 7822.

16. **Title:** Implementation and Design of Fuzzy Supervisory Controller for Mobile Robot Manipulator.

Has been accepted Not Published yet.

17. **Title:** Design and Implementation of Neuro-Fuzzy Controller Using FPGA for Sun Tracking System

Has been accepted Not Published yet.