**Curriculum Vitae**

**Mr. Mustafa Saad Khalifa**

**Lecturer at College of Electronic Technology/Baniwalid**

* **Office : Scientific Depts. Block**
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* **Career : since 2009 in CETB**
* **Assistant Lecturer (2011‐2015)**
* **Lecturer (2015‐ now)**

• **Education:**

* **B.Sc. (Control Eng.) 2006 – College of Electronic Technology/ Baniwaild, Libya.**

**With grade (68.25%).**

* **M.Sc. (Mechatronics & Automatic Control Eng.), 2009 – UTM, Malaysia. With grade (3.82/4).**

• **Subjects taught:**

**Introduction to Control, Linear Control Systems, Control systems Design, Control Systems Components, Digital Control Systems, Multivariable Control Systems, Modern control, System Id and Adaptive Control, Fuzzy Logic Systems.**

• **Posts held:**

* **Supervisor for some of Control Eng. laboratories (2009‐ now).**
* **Exam Committee Member (2012‐2015).**
* **Head of Control Engineering Dept. (2015‐ 2018).**
* **Head of Training Field Dept. since Feb. 2019 until now.**

• **Publications:**

* **Conf. papers**

1. **M. Saad, A. Albagul, D. Obiad, “Modeling and Control Design of Continuous Stirred Tank Reactor System”, 15th WSEAS International Conference on Automatic Control, Modeling and Simulation (ACMOS’13), Brasov, Romania, 2013.**
2. **M. Saad, A. Farij, A. Salah And A. Abdaljalil , “Automatic Street Light Control System Using Microcontroller”, 1st International Conference on Machine Design and Automation, 2014.**
3. **M. Saad, H. Abdoalgader, and M. Mohamed, “Automatic Fan speed Control System using Microcontroller”, 6th International Conference on Electrical, Electronics and Civil Engineering, Cape Town (South Africa), Nov. 27‐28, 2014.**
4. **A. Albagul, K. Alsharef, M. Saad, Y. Abujeela, “Design and Fabrication of an Automated Multi‐level Car Parking System”, Manufacturing Engineering, Automatic Control and Robotics Conf.**

* **Journal papers**

1. **M. Saad, A. Albagul, and Y. Abueejela, “Performance Comparison between PI and MRAC for Coupled‐Tank System”, Journal of Automation and Control Engineering Vol. 2, No. 3, September 2014.**
2. **M. Saad, A. Albagul, and Y. Abujeela, “ Design and Implementation of PI and PIFL Controllers for Continuous Stirred Tank Reactor System”, International Journal of Computer Science and Electronics Engineering (IJCSEE) Vol. 2, Issue 2, 2014.**
3. **Alhade A. Algitta, Mustafa S., Ibrahim F., Abdalruof N. and Yousef M. , “ Automated Packaging Machine using PLC”,IJISET, Vol. 2 Issue 5, May 2015.**
4. **A. Hamza, A. Khames, A. Lesewed, M. Saad, “Design an Optical Transducer for Pressure Measurement”, International Research Journal of Engineering and Technology, Vol. 03 Issue 03, Mar. 2016.**
5. **Mustafa Saad, “Performance Analysis of a Nonlinear Coupled-Tank System Using PI Controller”, Universal Journal of Control and Automation, Vol. 5, No. 4, 2017.**
6. **Mustafa Saad, Mohammed Khalfallah,” Design and Implementation of an Embedded Ball-beam Controller Using PID Algorithm”, Universal Journal of Control and Automation, Vol. 5, No. 4, 2017.**
7. **Mustafa Saad, Almukhtar Ramadhan, “Sliding Mode Control of Nonlinear Coupled Tank System”, WSEAS Transaction on Systems, Vol. 18, 2019.**

* **Books**

1. **Mustafa Saad, A. Farij, A. Salah And A. Abdaljalil , Automatic Street Light Control System Using Microcontroller, under process, LAP LAMBERT Academic Publishing, 2019.**

• **Research interest:**

* **Control theory**
* **Process control and instrumentation**
* **Intelligent control systems.**

• **Academic activities:**

* **Supervisor for more than 10 B.Sc. projects.**
* **Examiner for undergraduate projects.**
* **Assisted for the postgraduate students in their research.**
* **Served as external evaluator for scientific research papers to instructor’s vocational committee at National Board for Technical & Vocational Education.**
* **Head of Committee review for control engineering department course syllabus.**
* **Committee member for courses equalization at CETB.**