



**Basic Information :**

**Name :** Mohamed.A.Shamseldin  
**Title :** Lecturer

Dr. Shamseldin obtained the Bachelor of mechatronics engineering in 2010 from faculty of engineering, Helwan University, Cairo, Egypt. In 2016, he obtained the M.Sc. in system automation from faculty of engineering, Helwan University, Cairo, Egypt. In 2020, he obtained the Ph.D. in Mechatronics Engineering from faculty of engineering , Helwan University, Cairo, Egypt. Also, Mohamed was a member of mobility staff to teach in summer course in University of Central Lancashire, Preston, UK.

**Education :**

Certificate	Major	University	Year
PhD	Mechatronics Engineering		2020
Masters	System Automation and Management Engineering	Helwan university- Faculty Of Engineering	2016
Bachelor	Mechanical Department	Helwan University - Faculty of Engineering	2010

**Paper :**

- Optimal Flower Pollination Based Nonlinear PID Controller for Pantograph Robot Mechanism
- Model reference self-tuning fractional order PID control based on for a power system stabilizer
- Parallel distribution compensation PID based on Takagi-Sugeno fuzzy model applied on Egyptian load frequency control
- Practical Implementation of an Enhanced Nonlinear PID Controller Based on Harmony Search for One-Stage Servomechanism System
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- Real-time implementation of an enhanced nonlinear PID controller based on harmony search for one-stage servomechanism system
- A New Model Reference Self-Tuning Fractional Order PD Control for One Stage Servomechanism System
- A Novel Self-Tuning Fractional Order PID Control Based on Optimal Model Reference Adaptive System
- Brushless DC Motor Tracking Control Using Self-tuning Fuzzy PID control and Model Reference Adaptive Control
- A Novel Fuzzy Self Tuning Technique of Single Neuron PID Controller for Brushless DC Motor
- Different techniques of self-tuning FOPID control for Brushless DC Motor
- Implementation of Self-Tuning Fuzzy PID Control Applied on Brushless DC Motor
- A Modified Model Reference Adaptive Controller for Brushless DC Motor
- Practical Implementation of GA-Based PID Controller for Brushless DC Motor
- Speed Control of BLDC Motor By Using PID Control and Self-tuning Fuzzy PID Controller

**Other :**

- A Modified Model Reference Adaptive Control for High-Performance Pantograph Robot Mechanism
- Optimal Covid-19 Based PD/PID Cascaded Tracking Control for Robot Arm driven by BLDC Motor
- Optimal Coronavirus Optimization Algorithm Based PID Controller for High Performance Brushless DC Motor

