

University of Baghdad

| | | | |
|----------------------------------|---|---|---|
| College Name | Collage of Women for Education | | |
| Department | Computer Science Department, | | |
| Full Name as written in Passport | Muna Hadi Saleh | | |
| e-mail | drmuna4@yahoo.com | | |
| Career | <input type="radio"/> Assistant Lecturer | <input checked="" type="radio"/> Lecturer | <input type="radio"/> Assistant Professor |
| | <input checked="" type="radio"/> Master | <input type="radio"/> PhD | |
| Thesis Title | Design And Evaluation of a Three-Term Fuzzy Controller | | |
| Year | ١٩٩٦ | | |
| Abstract | <p>Two types of fuzzy controller which incorporates fuzzy logic have been designed and evaluated. These controllers named three-term fuzzy controller and two-term fuzzy controllers included three types (E&CE), (E&CCE) and (CE&CCE). Both controllers have been tested with different case-studies. In addition, comparisons between different algorithms have been made. Finally, to verify the ability of the fuzzy controller, it has been applied in real-time to control the speed of DC servo motor.</p> | | |

| | | | |
|----------------------------------|--|---|---|
| College Name | Collage of Women for Education | | |
| Department | Computer Science Department, | | |
| Full Name as written in Passport | Muna Hadi Saleh | | |
| e-mail | drmuna4@yahoo.com | | |
| Career | <input type="radio"/> Assistant Lecturer | <input checked="" type="radio"/> Lecturer | <input type="radio"/> Assistant Professor |
| | <input type="radio"/> Master | <input checked="" type="radio"/> PhD | |
| Thesis Title | Soft Computing in Designing Industrial Intelligent Controllers | | |
| Year | 2006 | | |
| Abstract | <p>Soft computing (SC) techniques have been used in designing industrial intelligent controllers and implementing them in the application of an Overhead Travelling Crane (OTC). A real practical OTC prototype model controlled by personal computer has been designed and built in order to simulate the operations of the OTC. A fuzzy Logic Controller (FLC) has been designed with a new algorithm. A Case-Based Knowledge and Global Weight (GW) was used in building their algorithm. This new FLC has been combined with a more modern theory called Rough Set Theory. The later was used to design of a rough controller. The result of this combination is a fuzzy hybrid rough controller. Two other types of industrial intelligent controllers have been designed and implemented. These are called Hybrid-Supervisory controller and Hybrid-Supervision-Expert controller.</p> | | |