



الاسم الثلاثي: زياد طارق علاوي

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Scientific Degree: Lecturer

Published Articles:

- A PSO-optimized type-2 fuzzy logic controller for navigation of multiple mobile robots.
- An ABC-Optimized Type-2 Fuzzy Logic Controller for Navigation of Multiple Mobile Robots.
- An ABC-Optimized Reciprocal Velocity Obstacles Algorithm for Navigation of Multiple Mobile Robots.
- A PSO-optimized reciprocal velocity obstacles algorithm for navigation of multiple mobile robots.
- An optimal defuzzification method for interval type-2 fuzzy logic control scheme.
- An Accurate Dead Reckoning Method based on Geometry Principles for Mobile Robot Localization.
- An Optimized Interval Type-2 Fuzzy Logic Control Scheme based on Optimal Defuzzification.

Research Areas: Intelligent Systems, Soft Computing, Type-2 Fuzzy Logic, Optimization Algorithms, Mobile Robots.

Published Books:

- Optimal Fuzzy Controllers for Multi Mobile Robot Navigation, LAP Lambert Academic Publishing, ISBN: 978-3-659-74157-9

Master Degree Supervision: N/A

Doctor Degree Supervision: N/A