

عنوان مقاله:

Design and Construction of Quad Copter and controlling it in Dynamic Environments using Fuzzy Logic

محل انتشار:

چهارمین کنفرانس بین المللی مهندسی برق و کامپیوتر (سال: 1395)

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خلاصه مقاله:

Multi-rotors are a group of flying robots that fly vertically by multiple motors and they are called Drone. Quad copters are particular types of drones which can be controlled and guided by radio frequency sent from an earth station. Today, controlling the flying robots in uncertainty environments is considered so important and many efforts have been made regarding the autonomy of this group of robots. In this article, besides reviewing vertically flying robot including mechanical, electronic infrastructure and flight control, a fuzzy logic is suggested in the uncertainty environment. Unlike most robots, this robot s control system after image processing and object identifications, move towards the object based on the fussy decision-making. The results showed appropriate operation of this robot in the environment

کلمات کلیدی:

Multi-rooters, Fuzzy Logic, Quadcopter

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