Abstract

Nowadays, the demand for a reliable autonomous application is increasing enormously. A fully autonomous body could reduce human involvement and increase efficiency of the desired function. Managing a single task is quite easy but performing same task over multiple times with same accuracy requires big effort. Therefore designing a system which could match the complexity of same work repeatedly will bring a new revolution. In this paper, we are developing a system through which multiple aerial drones can be controlled through single controller. We are focusing on UAVs and in concern to achieve this we aim at managing minimum distance at low level and at high level, they should not disturb the path of other flying drone. They should re-center their location through sensor of collision and GPS coordination. This research will bring many applications in control, for example rescue missions and in agriculture.

References

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An Overview on Multiple Unmanned Aerial Vehicle Control through Single Controller


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Index Terms

Computer Science

Signal Processing

Keywords

UAV (Unmanned Aerial Vehicle), Drone, path trajectory.