

CALL FOR PAPERS

Workshop ON

The drone challenge and the future issues

for CDMA'25

Feb. 16-17, 2025, Riyadh, Saudi Arabia

Session/Workshop Chair:

Dr. Mohamed Zied CHAARI

Email: Chaari_zied@ieee.org

Qatar Scientific Club

Session description:

Drones are highly effective at assessing disaster damage and revolutionizing the impact on disaster response. Due to various economic and social factors, the use of drones is becoming more common among civilians and corporations. With improvements in drone technology, drones are expected to spread throughout the transportation sector, which will also help disaster relief efforts. In times of crisis, it is essential to move humanitarian aid quickly from one place to another. Drones can assist disaster victims due to their solid and durable build, relatively low costs, high payload capacity, and minimal need for infrastructure. This workshop aims to discuss the process and the chain supply to build a drone from scratch capable of transporting humanitarian aid from one place to another in critical times. An autonomous delivery drone is designed to deliver up to ten kilograms and navigate with the help of a Global Positioning System (GPS). This workshop describes our choice of components, design decisions, Drone and AI technology, and mission (flight) planning. We spotlight the dangers of drones in our lives and how to disrupt the origin of this technology to terrorist groups.

Topics of interest for this Special session include but are not limited to the following:

- ✓ Drone fabrication process.
- ✓ Autonomous drone.
- ✓ Drone and AI technology.
- ✓ How drone technology has transferred in a short time to be a critical industry.
- ✓ The dangers of drones in our life
- ✓ How to disrupt the origin of this technology to terrorist groups
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Submission

Papers must be submitted electronically for peer review by: **October 31, 2024**

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All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).