Abstract

This paper presents an integrated applications and hardware systems of a RC Truck to detect and pinpoint the locations of explosives in desert environment as El Alamein region. This work will be based on the use of the packet oriented mobile data service that available through the global system for mobile communications. By using of this integrated technologies, this paper provides the safe distance to the human in the process of explosives detection and help to map the landmines in fenced minefields and suspicious regions. The truck equipment brought together to fulfill four main tasks, a) Tracing the explosives, b) Detecting the explosives c) Monitor the minor change happens to the explosive detector sensor d) pinpoint the exact location coordinates of those explosives.

References


Kowalenko, K., "Saving lives, one land mine at a time", The IEEE Institute, 28, 2004.


APOPO is a Belgian NGO, it is a social enterprise that researches, develops and implements detection rats technology for humanitarian purposes such as Mine Action and Tuberculosis detection. [http://www.apopo.org/en/about-apopo/about-apopo/why-rats#myModal31] Last visit at 5-2013.
Computer Science

Index Terms
Applied Science

Keywords
Detecting Explosives  Suspicious Regions  Tracing Explosives  Coordinates
General Packet Radio Service
Mobile Data Service
Global System For Mobile Communications
Multimedia Messaging Service
Wireless Application Protocol
GSM Sound Tracker Devices
GSM Surveillance Camera
GPS Tracker Devices
Landmines
Metal Detector
Mapping Software and Google Earth.