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Title: High altitude base station emergency communication

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In situations where communication is crucial for saving lives, high-altitude base stations can offer emergency communications in disaster zones. As a result, drone-mounted base stations ...

HAPS can be rapidly deployed for disaster recovery communications, particularly because the use of inter-HAPS links allows the provision of services with minimal ground network infrastructure - for ...

We develop a prototype of a proposed mobile base station and test its operation in an outdoor environment. The experimental results provide a sufficient data rate to make an independent mobile ...

This paper has briefly presented the idea of the use of HAPS as base stations to provide and face emergency services. Advantages of such an application include rapid de-ployment, large coverage ...

Uav technology is developing rapidly, and high-altitude base stations using drones as liftoff platforms have a wide range of flexible and mobile coverage, which can be widely used in emergency ...

The UAV emergency high-altitude base station can cover up to 50 square kilometers and provide instant messaging for 5,400 mobile phone users at the same time. It can quickly take off to ...

This paper proposes potential emergency and post-disaster communications and surveillance HAP-s based solutions and present recommendations to ensure secure operations, based on lesson learnt ...

In this case, high-altitude base stations can be used to provide emergency communications in the disaster area, where communications play a critical role in saving lives [1].

In order to address the issues of low efficiency and insufficient accuracy in the deployment of disaster emergency communication UAVs, this paper presents a method for the rapid ...



# High altitude base station emergency communication

When humans face major natural disasters, accidents, and public health emergencies, emergency communications are essential. One company combines drones with small communication base ...

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