# Communication emergency high altitude base station



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

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 ...

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*EricssonUse Cases of HIBSCharacteristics of High-Altitude PlatformsConclusions and Research DirectionsThis section outlines some of the potential use cases for HIBS. Network coverage expansion: HIBS can cover sparsely populated or hard to reach geographical areas where terrestrial infrastructure is impossible or too costly to build (e.g. mountains, deserts, oceans, etc.). With the expected wide coverage from HIBS solutions, it might be possible to ...See more on arxiv JETIR[PDF]

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 ...

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 ...

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The focus of this article is on airborne NTN utilizing the same frequency bands as ground based International Mobile Telecommunications (IMT) base stations (BS). This concept is known ...

These unmanned aerial vehicles operate in the stratosphere at altitudes between 20 and 50 kilometers, providing a range of services including broadband internet access, ...

ZTE has developed airborne base stations mounted on uncrewed aerial vehicles to rapidly restore connectivity during natural disasters. These stations can support both private ...

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