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Title: Self-organizing network emergency communication green base station

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Compared with the traditional emergency communication scheme, the emergency communication technical scheme proposed in this paper can realize the network construction ...

Abstract--This paper presents an emergency response management system to tackle the problem of the absence of network connectivity during the time of a natural disaster. Network ...

Turkey Case Study: Explore the transformative impact of SON solutions and mobile network automation in natural disaster scenarios. Learn how self organizing networks can bolster ...

CroSkylink MESH ad-hoc network emergency communication system, centered on "high reliability, wide coverage, and rapid response," delivers 24/7, all-terrain, and full-service ...

As a new network architecture that integrates satellite systems, air networks and ground communication, Space-Air-Ground Integrated Network (SAGIN) has attracted extensive ...

Since 2017, various national firefighting and rescue teams at the detachment level have been equipped with Mesh self-organizing network devices. The devices are mainly used ...

In this paper, we take into account both mobility and energy issues in the deployment of SUAV-based mesh networks for backup communication systems in post-disaster scenarios.

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 ...

The EE optimization of space-air-ground IoT networks is implemented under the self-organizing network

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framework to make sure of the efficient and reliable operation of the network. ...

Ad hoc network voice base station portable design, supporting rapid networking and on-site deployment, suitable for a variety of complex scenarios, and providing reliable emergency ...

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