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Title: Forest fire prevention intelligent communication base station inverter

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The invention discloses a forest fire intelligent early warning control system based on a 5G communication technology, which comprises a cloud intelligent system, a control unit and a local...

While the proposed IoV-based information propagation model demonstrates promising results in forest fire detection and communication, complex terrain variations can significantly impact communication ...

We propose a novel approach to construct a system for monitoring and detection of forest fire using the Barrier Coverage Networks by continuously sampling the real-time environment data ...

To effectively prevent and control forest fires, the Integrated Forest Fire Risk Factor Monitoring Station has been developed. By adopting an innovative model that combines "technical ...

The goal of this propose system is to create an IOT-based forest fire detection system that will identify the fire and transmit an emergency instantaneous notice to the authorities by the system ...

When encountering a fire, due to the weak signal of the mountain base station, data transmission cannot be quickly achieved, and the best rescue time for the fire is often missed. We have proposed our ...

IoT applications like real-time forest monitoring systems can assist to mitigate the growing environmental effect of forest fires. The research paper presents an IoT-enabled fire management ...

In this section, we will analyze the real-time communication performance of IoV in the forest scene, and simulate the communication situation when a vehicle detects a fire.

The NiuBoL forest fire prevention weather station provides high-precision meteorological monitoring and real-time data upload to effectively prevent wildfires. This article details its definition, ...



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In this study, we propose an integrated IoT (Internet of Things)-based system for early detection and management of forest fires. The system incorporates a range of sensors including heat, gas, and ...

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