

Jan 1, 2022 · Future mobile communication networks need Unmanned Aerial Vehicles as Base Stations (UAVasBSs) with the fast-moving and long-term hovering capabilities to guarantee ...

Sep 27, 2023 · The collaborative deployment of multiple UAVs is a crucial issue in UAV-supported disaster emergency communication networks, as ...

Feb 22, 2025 · In disaster scenarios, e.g., earthquakes, tsunamis, and wildfires, communication infrastructure often becomes severely damaged. ...

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May 1, 2025 · Abstract In the optimization of traditional Unmanned Aerial Vehicle (UAV) emergency communication systems in response to natural disasters, existing studies often ...

May 5, 2025 · The basic operation requirements and air-to-ground channel model of emergency cellular communication system based on large fixed-wing unmanned aircraft system are ...

Feb 27, 2023 · The unmanned aerial vehicles (UAVs) are able to assist damaged cellular networks as aerial base stations (ABSs) due to their flexibility and affordability. This paper ...

In recent years, with the development of communication technology, computer technology, microelectronics technology and the huge impact of large-scale natural disasters, the demand ...

Jan 3, 2025 · On September 26, the Liaoning Provincial Communications Administration sent a letter of thanks to ZTE, stating: "The solution e ectively ensured smooth communication in the ...

In disaster scenarios, e.g., earthquakes, tsunamis, and wildfires, communication infrastructure often becomes severely damaged. To rapidly restore damaged communication systems, we ...

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Jul 25, 2024 · In typical emergency wireless communication (EWC) net-works, due to their flexibility and 3D movement capability, UAVs are often placed as relays or temporary base ...



Unmanned emergency communication command base station

Sep 27, 2023 · The collaborative deployment of multiple UAVs is a crucial issue in UAV-supported disaster emergency communication networks, as utilizing these UAVs as air base stations can

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