Research highlights

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1. **Drone Assisted Device to Device Cooperative Communication for Critical Environments:** Device to Device (D2D) communication is a promising technique that offers improved spectrum utilization and traffic offloading from cellular networks by enabling direct communication among nearby devices. This paper proposes Drone Assisted Device to Device Cooperative Communication (DA-DDCC) for critical situations during post-disaster management. The proposed network utilizes the autonomous mode of D2D communication for setting up the link in the absence of a central node. This network incorporates cooperative communication using drone in D2D session for improving reliability of the overall system.