

Collecting and processing data to provide danger zone warnings from mobile robots.

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Abstract: This topic aims to research and develop a system based on mobile robots to collect real-time environmental information, analyze it to identify hazardous areas, and provide effective warnings. By combining theoretical methods with experimentation, the goal is to build a flexible solution with high adaptability in applications such as public security and disaster management. The expected outcomes of this topic not only enhance understanding of artificial intelligence and autonomous robots but also make significant contributions to the field of risk management.

Keywords: Mobile robots, Data processing, Risk assessment, Real-time monitoring, Safety systems