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Title	Smart Cane for Assisting Visually Impaired People and the Blind
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Abstract

The limited mobility in the visually impaired people and the blind cause the difficulty of deftness in daily and travel such as obstacle avoidance, traveling, crossing the road, and encountering an emergency. Currently, there are an active studies and developments about devices and technologies for increase the deftness daily and travel independently. In this paper, we combine various functions in one device consisting of obstacle detection, navigation, and emergency call to increase safety and travel mobility of visually impaired people and the blind. The experiment results of whole functions in the laboratory were successful, and the device can alert the user with sound and vibration.