

Perception Framework through Real-Time Semantic Segmentation and Scene Recognition on a Wearable System for the Visually Impaired

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- We designed a unified perception framework for assisting visually impaired people.
- The real-time wearable system based on multi-task architecture feedbacks object information and scene classes via speech signal.
- In the experiments, we verified the systems' accuracy and efficiency on public datasets and real-world scenes.

