

# Development of the crisis navigator for individuals (Component technology type)

**Realization of voice evacuation guidance system to reliably convey information**

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## Summary :

Japan is one of the disaster-prone countries. It is important from the viewpoint of minimizing damages to induce us to appropriately safe places by voices, depending on situations in cases of life-threatening emergencies. However, due to the noise and/or reverberation at the disaster site, there are many opinions that the voices of evacuation guidance are difficult to hear and understand at the disaster site. Additionally, even if hearing the voices, there are cases in which we do not recognize the danger due to "normalcy bias." In order to reliably inform the crisis and to encourage evacuation, it is necessary to present guidance voices not defeated by noise and reverberation and to properly control linguistic and paralinguistic information of the guidance voices. This study proposes an intelligent speech presentation system that can properly conduct evacuation guidance to "reliably convey necessary information by voice." This system gained hints from human voice communication under noisy reverberation environment in case of emergency.

<http://www.jaist.ac.jp/~akagi/mirai.html>

