

Title	ネットワークの構築が困難な環境における光学タグを用いた情報収集システム
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Information gathering system using IR tag in environment with difficult construction of network

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This paper describes technology to do intelligence for a user in the environment where construction of a network is difficult and the information service.

At a disaster, various systems helping activity of a user are suggested. However, in basements assumed that use expansion advances from now on, adaptation of those systems is difficult. The reason is because construction of a network cannot receive difficulty or service of a system when a disaster occurs for special environment of a basement. Furthermore, it is very likely that the big damage occurs like a train fire accident in a Daegu city subway, and a system helping a rescue operation / firefighting activity and reporting / an instruction system for a scholar of refuge are demanded when a disaster occurred in basements.

Therefore, by this study, the stable information presentation suggested the system which it was possible for at a disaster without an unstable network by acquiring the information that there was to user circumference directly. Because an area, a person and identification and position specification of a thing to implement an expert skill method gave a possible optics tag system a high-speed communication function, I was ubiquitous and collected information from the tag which had existing information, and carrying around to show in a user implemented a possible system.

Furthermore, I evaluated it whether an optics tag system was useful for intelligence at the time of a disaster and tested it and showed the result. In addition, I really confirmed utility of this system by interviewing the firefighter who experienced the disaster spot.