

Application and possibility to the disaster prevention of the water level sensor IC tags

Osamu Saitou^{1*}, Yuji Kuwabara²

¹Center for Disaster Prevention and Security, IBARAKI University, ²Center for Water Environment Studies, IBARAKI University

The visualization of the environmental information is important from the viewpoint of disaster prevention to keep the security of inhabitants. By using small and cheap sensor IC tags, if we located a water level sensor at many points, they were effective for monitoring of the rainfall flood and the swollen river, and official announcement of the refuge information. Ibaraki University department of engineering has attached a water level sensor in Hitachi City, Ibaraki prefecture from July, 2012. In addition, we build the real time rainfall flooding monitoring system experimentally and watch water level in the case of rain. Water level monitoring of the sea level of Pacific coastal of Tohoku area is possible by applying this system where we had damaged by earthquake disaster from the Great East Japan Earthquake.

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