

The disaster prevention system by open source hardware and the acceleration sensor

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Japan, in August 2014 received a large-scale landslides caused by torrential rain in Hiroshima City. This disaster is repeatedly generated every year, the number tends to increase. As a factor, there is such as thing, humid climate and steep terrain that the Japanese archipelago of the ground is made of igneous rock. In addition, it is expected the occurrence of such disasters in the future by guerrilla heavy rain and earthquakes. So, we went the terrain and ground survey of the places at which occurrence of landslides from the history of past disasters is expected. Also we developed an inexpensive slope disaster prevention system using the acceleration sensor. This system will reduce the damage of the landslide disaster. In this paper, it was the subject of investigating the Isehara, Kanagawa Prefecture Oyama. Describes the development of disaster prevention system by the survey results, the ground survey methods and acceleration sensor that was made in that location

Keywords: landslide, Sediment disaster, acceleration sensor, open source hardware, disaster prevention system

開発した斜面防災システムの流れ

