

## The Network Concept of Active Monitoring for Volcanoes

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We are the Ikeda high school physics group and we would like to express the beauty of the active volcano Sakurajima, which is the symbol of Kagoshima, by making a map of the surroundings of the crater. In order to do this survey, we plan to use drones and robots. The drone can enter the crater of the volcano and take samples of lava, plants and water found in the crater. etc. What is more, we won't be restricted to scientific research, but will also hope to contribute to disaster prevention and industrial use. This time, as a first step, we will fly the drone and do 3D mapping of the area around the crater and look over the area under the rover.

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