

## The development of the steady seismic observation system which can work at even an uninhabited island

# Kenji Uehira [1], Takeshi Matsushima [2], Hiroshi Shimizu [3]

[1] SEVO, Kyushu Univ., [2] SEVO, Fac. of Sci., Kyushu Univ., [3] Shimabara Earthq. and Volcano Observatory, Kyushu Univ

When we try to understand seismicity under a sea area, it is important to set up the steady seismic observation system at isolated islands. But, in many cases, such isolated islands are uninhabited and there are no commercial power supply nor phone lines. So, we developed a new seismic observation system, which uses solar cells and batteries for power supply, a small and low consumption electric power data logger, and satellite phone for data collection. Actually, we set up this seismic observation system at Meshima island, one of Danjyo-Gunto islands, in November 1998.