

# Demonstration of Robust Network Technology Using Resilient ICT

**【Objective】** Development of Low-operation Cost Robust Communication System Using Popular Smartphones

**【Summary】** In case of a large scale earthquake, communication connection may be lost in many areas due to collapse of base stations, breakage of trunk cables, etc. This causes serious problems in emergency initial responses, emergency warning and grasping disaster situations. In Kochi City on 5th March, 2015 in collaboration with Kochi Prefecture and Kochi City municipalities, we demonstrated that an emergency group communication with Ad-hoc wireless network consisting of a very light-weight and compact RF device is effective to initiate emergency initial responses and that by the use of popular smartphones, low-operation cost emergency group communication is possible.

