

## Introduction of the Tsunami Mitigation Research Portal Site

\*Tomoyuki Takahashi<sup>1,2</sup>

1. Faculty of Safety Science, Kansai University, 2. subcommittee for the research review of tsunami effects and its uses

In tsunami research, in addition to the theoretical discussion, many experiments, field surveys, and observations have been conducted, accumulating large amounts of data. These are extremely valuable data, because they can contribute to the clarification of tsunami phenomena and the validation of numerical models to predict future tsunami damage. Therefore, a subcommittee for the research review of tsunami effects and its uses was established in the Coastal Engineering Committee of the Japan Society of Civil Engineering.

An objective of the subcommittee is to organize the data systematically and to provide useful basic data for researchers, engineers, and officers. To organize the data, we classified tsunami phenomena into four groups: "Tsunami source, propagation and run-up", "Wave force", "Erosion and deposition", and "Driftage and building collapse." We have reviewed numerous papers relating to the groups and have identified some benchmark problems. The Tsunami Mitigation Research Portal Site has also been developed, which includes the reviews and benchmark problems. In this presentation, we introduce the Portal Site and discuss its use.

Keywords: experiment, field survey, observation, benchmark problem