

## **Basic Study on a Passenger Evacuation Behavior with the Use of a Station-Simulator**

Mitsutaka ISHIZUKI      Masakazu YAMAMOTO      Toshiyuki AOKI

Recently, accessibility of a station has reached a constant level by adoption of barrier-free and universal design. However, "egressibility" (egress ability) of station at the time of emergent evacuation is not sufficiently achieved yet by barrier-free and universal design. So we have developed a testing facility simulating a real scale station in order to examine comfort and evacuation safety of a passenger. Using the facility, we studied a method of evacuation guide using toward light disposition of passengers when they select an escape route. This paper reports the findings of the study on a passenger evacuation behavior based on the simulation test.