

### **A Passenger Flow Simulation to Evaluate Ease of Walking in Station**

Masakazu YAMAMOTO      Mitsutaka ISHIZUKI      Toshiyuki AOKI

Since congestion is likely to occur regularly at rush-hour times in stations, consideration on a passenger flow is necessary in facility planning. We have so far made clear the passenger flow in the whole station precincts with help of simulation technology, but no technique has been available to evaluate ease of walking from a passenger point of view. To clarify a relationship between the congestion status and ease of walking as experienced by passengers, we repeated walking experiments using a station simulator and monitor-based evaluation tests. Then we have proposed a formula to evaluate ease of walking in stations, and have developed a passenger flow evaluation simulation technique.