

**Development of a Method of Evaluation of Rail-Bus Transfer Convenience  
Considering Characteristics of Station Surroundings**

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This research aims to establish a method to evaluate convenience of rail-bus transfer considering transfer paths together with their physical and structural characteristics. An online survey was conducted to obtain passengers' evaluation on rail-bus transfer convenience. With data obtained through the survey, transfer convenience evaluation models have been developed to quantify the effect of each physical characteristic of transfer paths on convenience evaluation. Besides horizontal and vertical walk distances, which have been already taken into account in the preceding studies, features outside stations, including safety concerns and bus stop structures, have been also considered. Developed models have been applied to a sample case to demonstrate how transfer convenience can be evaluated in practice.