

Development of a Dynamic Trip-Planning System for Seamless Feeder  
Information Service

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Abstract

The multi-model between the real-time inter-city and intra-city transit information are not taken into consideration by the existed trip planning systems in Taiwan. Besides, during the process of trip path connections, the real-time transit information and the access mode for transit station is not provided. The planning result cannot fulfill user's requirement, thus user's willingness of utilizing public transportation is low. This paper develops a seamless transit trip planning system which takes inter-city transportations as mainstays and considers the all of feeder modes, such as bicycle, private vehicles or transit service, to integrate the related trip information in-between such as routes, schedules, and AVL information. In this system, the seamless trip-planning algorithm which also proposes in this study is the main component of planning travelers'

Keyword : Trip-Planning System, Seamless Feeder Information Service, Dynamic Trip-Planning, Geographic Information, Global Position System