Abstract

The transition record of mobile phones across Base Transceiver Stations can be used as useful data for urban traffic management. While, most of the urban traffic users are mobile users, thus the count of such users can be used as a count of traffic users on urban roads. Using this mobile phone transition records, we have developed a system to classify the mobile phone users in different categories. We have developed algorithms to classify the mobile phone users, such as static users, pedestrians users, slow moving vehicle users, city bus users, car or bike users, daily travelers, users of a large gathering, non-resident users. This classification will help the urban traffic managers to control the traffics and congestion on urban roads.

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Index Terms

Computer Science

Wireless
Keywords

Intelligent Transport System  Mobile Phone Network  Urban Traffic Congestion
Urban Traffic Control
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