

Review of: "Intelligent Transportation System Real-Time Tracking"

Sonia Nasri

Potential competing interests: No potential competing interests to declare.

The paper proposes an intelligent transportation system to enhance the passenger experience. The proposed approach consists in integrating technologies such as GPS through mobile application development. Through this integration, passengers will have access to comprehensive information that enables them to make well-informed decisions, notably mitigating the uncertainties and waiting times.

Major revisions

This type of system is valuable in addressing today's transportation demands. Considering real-time information parameters such as location and arrival time can contribute to enhancing the user experience. However, to assess the significance of the proposed system in terms of reducing waiting time, it is important to compare two types of experiences: before and after receiving the information. A dynamic environment is crucial for this approach to effectively simulate real transportation scenarios. Other parameters can also be integrated, such as time windows bus starting times, and capacity.

According to the authors, one objective of the system is to evaluate passengers' satisfaction levels, and perception of waiting time. Therefore, where is the evaluation of these criteria since it is the main goal. You can refer to Dial A Ride Problem of Cordeau and Laporte, 2003 and its recent variants applied for real-life cases of transportation.

Besides, we suggest some future enhancements to consider when experimenting the system such as seeking for the best lines minimizing the distances as well as improving the users' experience. Moreover, in the case you study, the waiting time is commonly known as the difference between the arrival of the bus and that of the user or the customer. Thus, delays can also be observed, which are caused by traffic or congestion. Therefore, these parameters are important in realistic simulations of the journey between an origin location and a destination location.

Minor revisions

The figures are not cited in the text: as Figure 1 shows the....., Figure 2 presents....

Text in figure 5 should be clarified. Also, complete the text of the figure title as "mobile application registration and route selection".

The bibliography should be enhanced with further recent related works in the field.

