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Author: Dr. Yu Cao

Beijing Institute of Electronic System Engineering, China, China, icycao16@163.com

THE APPLICATION OF SPACE TECHNOLOGY IN PUBLIC INTELLIGENT TRANSPORTATION
RECONSTRUCTION**Abstract**

These years, the space technologies have brought people great benefits in the construction of human society. To manage limited resources from a sustainable perspective, people have the need to create an attractive economic and social environment in which citizens, companies and governments live, work and interact. For the goals of building people-oriented cities and making better life, many countries have been developing its own “intelligent” city program, which effectively integrated information technology and advanced concepts of city operation and service by digitally managing geography, natural resources, the environment and economy to provide a convenient, efficient, flexible and innovative public administration. The aim of this work is to provide an effective solution in developing a more intelligent public transportation system for a special group of people, which combined with satellite technologies and location-based services, re-constructing a disabled-friendly transporting network, especially for the blind people. In the meantime, by using a voice-over driven app on a smartphone or tablet, we can assure the disabled people are able to find the right transportation line as soon as possible. This whole system will give enough details, such as the number of the bus, arrival time and other information as required. Additionally, the healthy people would also be benefited by experiencing this advanced transporting system as well. Further details including the system design, feasibility study, implementation and executive plan will be discussed and explained in this paper.