Abstract

Global Navigation Satellite Navigation System (GNSS) is widely used for surveying, navigation, timing, positioning and Tracking. This is a technique which is highly precise, real time, continuous and work in all weather conditions for providing position and navigation information. Two GNSS systems are currently fully operational, United States GPS and Russian GLONASS. GNSS is used in transportation industry for monitoring various types of vehicles like, aircrafts, ships, trains, buses etc. In the industrial and public transportation, railway is widely used by people in the world. Monitoring the trains is concern with the security and safety. In this paper, a GNSS based web application is proposed for monitoring trains. GNSS provide navigation and positioning information of a train. This web application is developed in C#, net using Microsoft Visual Studio 2010.

References

- Alaei Abbasali Jandaghi and Delavar Mahmoud Reza, (June, 2003) "Integration of
GNSS based Real Time Train Monitoring: A Web Approach

GPS and GIS for Railway Accident Management" Preceding Conference Simtect's, Adelaide, Australia.

GNSS based Real Time Train Monitoring: A Web Approach

Index Terms

Computer Science
Information Systems

Keywords

GNSS  GPS  GLONASS  navigation  positioning  trains  web application