Abstract

Android has been emerging as powerful mobile platform which has provided handy
functionalities for the development of indoor navigation software. Traditional GPS technology has its own drawbacks in the indoor navigation scenes. This paper focuses on the use of a non-GPS technology approach for the navigation in complex indoor scenes. The approach to achieve the optimal results in the complex indoor navigation includes use of Wi-Fi triangulation method, a* algorithm, 2-D code and block's color sequence for navigation purpose.

References

- Björn Greßmann, Helge Klimek and Volker Turau, 2010. Towards Ubiquitous Indoor

Index Terms

Computer Science

Information Sciences

Keywords

Wi-fi Triangulation  Indoor Navigation And Positioning  2-d Code  Non-gps Navigation