Abstract

Today’s communication and computing devices operate in heterogeneous environments. Mobility is an important factor that is considered for such devices. The challenge for modern Wireless devices is to ensure end-to-end seamless connectivity while they migrate through Heterogeneous wireless technologies. To provide high quality service without interruption, it is necessary for network to be more intelligent to determine users’ movements. It should be able to reserve the necessary resources in the future locations to be visited.

In this paper, a method for predicting the user movement based on parameters such as Call hold time, Residence time, Handover rate with high accuracy is presenting.

References

1. Yi-Bing Lin, Fellow, IEEE, Chien-Chun Huang-Fu, and Nabil Alrajeh Predicting Human Movement Based on Telecoms Handoff in Mobile Networks IEEE Transactions on Mobile
Predicting Human Movement based on Telecom Network Data


4. Abdoul-Aziz IssakaHassane, Li Renfa, and ZengFanzi - Handover Decision Based on User Preferences in Heterogeneous Wireless Networks ∙ College of Information Science and Engineering, Hunan University, China 2012.


6. Mandeep Kaur Gondara1 and Dr. Sanjay Kadam Requirement of Vertical Handoff Mechanism in 4G Wireless Networks Ph. D Student, Computer Science Department, University of Pune, Pune 2011.


18. Yi-Bing Lin, Fellow, IEEE, Chien-Chun Huang-Fu, & Nabil Alrajeh, “Predicting Human Movement Based on Telecom’s Handoff in Mobile Networks

Index Terms

Computer Science Wireless
Keywords

Mobility, call hold time, residence time, handover rate, seamless connectivity