Abstract

Security and trust are two inevitable concept for secure MANET. There are various systems used for ensuring security and trust in case of MANET. These systems has several advantages as well as several disadvantages in terms high communication and computation overhead. In this proposed trust based system, trust is evaluated on the basis of detection of signal noise and after that reduction of noise as much as possible with the help of Alpha Beta Filter as well as Kalman filter once the signal is flowing from one node to another node. In this paper, it is also able to show that using Kalman filter is more advantageous than alpha beta filter for reducing the error due to noise.

References

10. John Davies "Use of Kalman filters in time and frequency analysis." National Physical Laboratory, 1st May, 2011.

Index Terms

Computer Science  Signal Processing

Keywords

Alpha Beta Filter, MANET, Kalman Filter, Security, signal Noise, Trust