Abstract

Defining the benchmarking of mobility modeling is one of the most important challenges faced by researchers in the field of un-infrastructural network applications where these mobility models picture out the way how the wireless equipment can move, distribution and acceleration in a specific wireless network environment. To achieve the ambition of finding the appropriate model, many studies have examined the movement models in an unspecific aspect of Ad hoc routing algorithms. In this work, the evaluations of three types of mobility models with position based routing algorithm ALR have been done. The validation based on the performance metrics showed that the models that are close to the nature of the applied routing algorithm be more effectively and practically, so there is intensity needs to conduct deeply studies of the structural technique of the routing entity with the particular nature of each motion model to conduct more realistic and exquisite results.


14. BonnMotion, a mobility scenario generation and analysis tool, http://web.informatik.uni-bonn.de


Index Terms

Computer Science  Security

Keywords

Ad hoc networks, mobility models, position based routing protocols