Abstract

Scheduling algorithms are important components in the provision of guaranteed quality of service parameters. The design of scheduling algorithms for mobile ad hoc networks is
challenging one because of highly variable link error rates and dynamic nature of the network. This paper provides a survey of scheduling techniques in wireless Ad hoc networks. Desirable features and classifications of schedulers for the different scheduling algorithms are discussed.

Reference

- Byung-Gon Chun, Mary Baker, Evaluation of Packet Scheduling Algorithms in Mobile Ad hoc Networks, Mobile Computing and Communications Review, Volume 1, Number 2
- Hsi-Lu Chao, and Wanjiun Liao, Fair Scheduling in Mobile Ad Hoc Networks With Channel Errors, IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, VOL. 4, NO. 3, MAY 2005
- Leandros Tassiulas, and Saswati Sarkar, Maxmin Fair Scheduling in Wireless Ad Hoc Networks, IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, VOL. 23, NO. 1, JANUARY 2005
- Hsi-Lu Chao, Hsinchu,On Fair Scheduling for Mobile Ad Hoc Networks with Channel Errors, IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, VOL.4. NO3, MAY,2005
- Brahma, K. W. Kim, M. EL Hachimi, A. Abouaissa, P. Lorenz, “A Buffer and Energy Based Scheduling in Mobile Ad hoc Networks over Link Layer”, Proceedings of the Advanced
International Conference on Telecommunications and International Conference.
- V. Kanodia, C. Li, Distributed Priority Scheduling and Medium Access in Ad-hoc Networks, ACM Wireless Networks, Volume 8, and November 1, 2002
- Qing Chen, Qian Zhang, Zhisheng Niu, Opportunistic Link Scheduling with QoS Requirements in Wireless Ad Hoc Networks, IEEE Communications Society subject matter experts for publication in the ICC 2007 proceedings.

**Index Terms**

- Computer Science
- Wireless

**Key words**

- Scheduling algorithms
- Ad hoc networks